

ACETRON® LSG stock shapes are produced from selected batches of polyacetal copolymer resin. This engineering plastic combines good mechanical strength, stiffness, impact strength, chemical resistance, dimensional stability and friction and wear properties with an excellent machinability. The compositions of the resins used for the production of the ACETRON LSG stock shapes comply with the regulations that apply in the Member States of the European Union (Directive 2002/72/EC, as amended) and in the United States of America (FDA) for plastic materials and articles intended to come into contact with foodstuffs. ACETRON LSG stock shapes have also been successfully type tested for their compliance with ISO 10993-1 guideline requirements for Biocompatibility Testing of Materials, and they come with full traceability from resin to stock shape. These features, added to the availability of different colours which allow for easy differentiation between similar parts (e.g. different sizes of trial implants), make ACETRON LSG stock shapes very suitable for applications in the medical, pharmaceutical and biotechnology markets.

Physical properties (indicative values ■)

Density	PROPERTIES	Test methods ISO / (IEC)	Units	VALUES
Density   1183   g/cm³   1.41   Water absorption: - after 24 / 96h immersion in water of 23°C (1)   62   mg   17 / 33   62   %   0.18 / 0.30   62   %   0.18 /	Colour	-	-	yellow / red / blue
- after 24 / 96h immersion in water of 23°C (1) 62 mg 17 / 33	Density	1183	g/cm³	
- at saturation in air of 23°C / 50% RH - % 0.20 - at saturation in water of 23°C - % 0.80  Thermal properties  Melting temperature (DSC, 10°C/min) 11357 °C 168  Thermal conductivity at 23°C - W/(K.m) 0.31  Coefficient of linear thermal expansion: - average value between 23 and 60°C - M/(m.K) 110.10°6 - average value between 23 and 100°C - M/(m.K) 125.10°6  Temperature of deflection under load: - method A: 1.8 MPa Max. allowable service temperature in air: - for short periods (2) - continuously; for min. 20,000 h (3) - °C 100  Min. service temperature (4) - °C - 50  Flammability (5): - 'Oxygen index' - (100 Min. service temperature) - according to UL 94 (1.5 / 3 mm thickness) - HB / HB  Mecanical Properties at 23°C (6)  Tension test (7): - tensile stress at yield (8) - 527 MPa 70 - tensile strain at break (8) - 527 MPa 70 - tensile strain at break (8) - 527 MPa 3,000  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9) 604 MPa 22 / 40 / 72  Flexural test (11) (12): - flexural strength at flexural strength 178 MPa 89 - flexural strength 178 MPa 89 - flexural strength 178 MPa 68  Charpy impact strength – unnotched (13) 179-1/1eU kJ/m² 150  Charpy impact strength – notched 179-1/1eU kJ/m² 150  C	Water absorption:			
- at saturation in air of 23°C / 50% RH % 0.20 - at saturation in water of 23°C % 0.80  Thermal properties  Melting temperature (DSC, 10°C/min)	- after 24 / 96h immersion in water of 23°C (1)			
- at saturation in water of 23°C  Thermal properties  Melting temperature (DSC, 10°C/min)  Thermal conductivity at 23°C  - W/(K.m)  0.31  Coefficient of linear thermal expansion: - average value between 23 and 60°C - average value between 23 and 100°C - m/(m.K)  Temperature of deflection under load: - method A: 1.8 MPa  Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000 h (3)  Min. service temperature (4) - "C - 50  Flammability (5): - "Oxygen index" - according to UL 94 (1.5 / 3 mm thickness) - "HB / HB  Mecanical Properties at 23°C (6)  Tension test (7): - tensile stress at yield (8) - tensile stress at yield (8) - tensile strain at break (8) - tensile strain at fleaural strength - flexural stress at 1/2/5% nominal strain (9)  Compression test (10): - compressive stress at 1/2/5% nominal strain (9)  Flexural test (11) (12): - flexural streingth - unnotched (13)  Charpy impact strength - unnotched (13)  Top-1/leU kJ/m² - 150  Relative permittivity ε; - at 100 Hz - at 1 MHz - (60250) - 3.8		62		
Melting temperature (DSC, 10°C/min)		-		
Melting temperature (DSC, 10°C/min)			%	V 0.80
Thermal conductivity at 23°C				
Coefficient of linear thermal expansion:		11357		
- average value between 23 and 60°C - average value between 23 and 100°C - average value between 23 and 100°C - m/(m.K) - 125.10°6  Temperature of deflection under load: - method A: 1.8 MPa - 75 - °C - 100  Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000 h (3) - °C - 100  Min. service temperature (4) - °C - 50  Flammability (5): - "Oxygen index" - according to UL 94 (1.5 / 3 mm thickness)  Mecanical Properties at 23°C (6)  Tension test (7): - tensile stress at yield (8) - tensile stress at yield (8) - tensile strain at break (8) - tensile strain at break (8) - tensile modulus of elasticity (9)  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural test (11) (12): - flexural test (11) (12): - flexural strength - flexural strength - flexural strength - flexural strength - unnotched (13)  Charpy impact strength - unnotched - 179-1/1eU  Ball indentation hardness (14) - 2039-2 - M80  Electrical Properties at 23 °C  Electric strength (15)  Volume resistivity - at 10 MHz - at 1 MHz - at 1 MHz - at 1 MHz - 60250) - 3.8		-	W/(K.m)	0.31
- average value between 23 and 100°C  Temperature of deflection under load: - method A: 1.8 MPa  75 °C  100  Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000 h (3)  Min. service temperature (4)  - continuously: for min. 20,000 h (3)  Min. service temperature (4)  - continuously: for min. 20,000 h (3)  - continuously: for min. 20,000 h (3)  - continuously: for min. 20,000 h (3)  Min. service temperature (4)  - continuously: for min. 20,000 h (3)  - continuously: for min. 20,000 h (5)  - continuously: for min. 20,000 h (5)  - continuously: for continuo			( TO )	440.40-6
Temperature of deflection under load:		- / /		110.10
- method A: 1.8 MPa  Max. allowable service temperature in air: - for short periods (2) - continuously: for min. 20,000 h (3)  Min. service temperature (4)  Flammability (5): - "Oxygen index" - according to UL 94 (1.5 / 3 mm thickness)  Mecanical Properties at 23°C (6)  Tension test (7): - tensile stress at yield (8) - tensile strain at yield (8) - tensile strain at pield (8) - tensile strain at break (8) - tensile strain at flaurity (9)  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural test (11) (12): - flexural streingth - flexural streingth - flexural streingth - flexural streingth - unnotched (13)  Charpy impact strength - notched - tensile streingth - notched - tensile streingth (15) - Charpy impact strength - notched - tensile streingth (15) - compressivity - flexural streingth (15)		-	m/(m.k)	125.10
Max. allowable service temperature in air:       - for short periods (2)       °C       140         - continuously: for min. 20,000 h (3)       °C       100         Min. service temperature (4)       °C       -50         Flammability (5):       -       -         - "Oxygen index"       4589       %       15         - according to UL 94 (1.5 / 3 mm thickness)       -       HB / HB         Mecanical Properties at 23°C (6)         Tension test (7):       -       HB / HB         - tensile stress at yield (8)       527       MPa       70         - tensile strength (8)       527       MPa       70         - tensile strain at yield (8)       527       %       20         - tensile strain at preak (8)       527       %       20         - tensile strain at break (8)       527       %       20         - tensile strain at break (8)       527       MPa       3,000         Compression test (10):       604       MPa       22 / 40 / 72         Flexural test (11) (12):       527       MPa       3,000         - flexural strength       178       MPa       89		75	.00	100
- for short periods (2) - continuously: for min. 20,000 h (3)  Min. service temperature (4)  Flammability (5): - "Oxygen index" - according to UL 94 (1.5 / 3 mm thickness)  Mecanical Properties at 23°C (6)  Tension test (7): - tensile stress at yield (8) - tensile strength (8) - tensile strain at yield (8) - tensile strain at yield (8) - tensile strain at pield (8) - tensile strain at break (8) - tensile modulus of elasticity (9)  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural test (11) (12): - flexural strain at flexural strength - flexural strain at flexural strength - flexural strain at flexural strength - flexural stress at conventional deflection  Charpy impact strength – unnotched (13)  Flexural trength – notched  Trensile strain at flexural strength – notched  Trensile strain at flexural strength – notched  Trensile modulus of elasticity (9)  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural strength – 178  MPa  89  Charpy impact strength – notched  Trensile mydex  Trensile strain at flexural strength – notched  Trensile strain at fl		10	-	100
- continuously: for min. 20,000 h (3)  Min. service temperature (4)  Flammability (5):  - "Oxygen index"  - according to UL 94 (1.5 / 3 mm thickness)  Mecanical Properties at 23°C (6)  Tension test (7):  - tensile strength (8)  - tensile strain at yield (8)  - tensile strain at pield (8)  - tensile strain at break (8)  - tensile strain at break (8)  - tensile modulus of elasticity (9)  Compression test (10):  - compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural test (11) (12):  - flexural strength  - flexural streingth  - flexural streingth  - flexural streingth  - modulus of elasticity (9)  Compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural test (11) (12):  - flexural streingth  - flexural streingth – unnotched (13)  Charpy impact strength – unnotched (13)  Real indentation hardness (14)  Polymact strength – otched  Top-1/1eA kJ/m²  9  Ball indentation hardness (14)  2039-1  MPa 115  Rockwell hardness (14)  2039-2  - M 80  Flectrical Properties at 23 °C  Electric strength (15)  Clectric strength (15)  Clouding resistivity  (60093)  Charpy impact streingth – 10 or			°C	140
Min. service temperature (4)		11-		
Flammability (5):	Min. service temperature (4)	1	7 °C//	- 50
- "Oxygen index"	Flammability (5):			(5)
Mecanical Properties at 23°C (6)   Tension test (7):   - tensile stress at yield (8)   527   MPa   70     - tensile strength (8)   527   MPa   70     - tensile strain at yield (8)   527   %   20     - tensile strain at break (8)   527   %   40     - tensile modulus of elasticity (9)   527   MPa   3,000     Compression test (10):   - compressive stress at 1 / 2 / 5% nominal strain (9)   604   MPa   22 / 40 / 72     Flexural test (11) (12):   - flexural strength   178   MPa   89     - flexural strength   178   MPa   68     Charpy impact strength – unnotched (13)   179-1/1eU   kJ/m²   150     Charpy impact strength – notched   179-1/1eA   kJ/m²   9     Ball indentation hardness (14)   2039-1   MPa   115     Rockwell hardness (14)   2039-2   -   M 80     Electrical Properties at 23 °C     Electric strength (15)   (60243)   kV/mm   20     Volume resistivity   (60093)   Ohm.cm   > 10¹³     Relative permittivity ε <sub>F</sub> : - at 100 Hz   60250)   -   3.8	- "Oxygen index"	4589	/%	
Tension test (7):	- according to UL 94 (1.5 / 3 mm thickness)	- '		⇒ HB / HB
- tensile stress at yield (8) 527 MPa 70 - tensile strength (8) 527 MPa 70 - tensile strain at yield (8) 527 % 20 - tensile strain at break (8) 527 % 40 - tensile strain at break (8) 527 MPa 3,000  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9) 604 MPa 22 / 40 / 72  Flexural test (11) (12): - flexural strength 178 MPa 89 - flexural strength 178 % 7.5 - flexural strength 178 MPa 68  Charpy impact strength - unnotched (13) 179-1/1eU kJ/m² 150  Charpy impact strength - notched 179-1/1eA kJ/m² 9  Ball indentation hardness (14) 2039-1 MPa 115  Rockwell hardness (14) 2039-2 - M 80  Electrical Properties at 23 °C  Electric strength (15) (60243) kV/mm 20  Volume resistivity (60093) Ohm.cm > 10 <sup>14</sup> Surface resistivity (60093) Ohm > 10 <sup>13</sup> Relative permittivity ε <sub>Γ</sub> : - at 100 Hz 60250) - 3.8				
- tensile strength (8) 527 MPa 70 - tensile strain at yield (8) 527 % 20 - tensile strain at break (8) 527 % 40 - tensile modulus of elasticity (9) 527 MPa 3,000  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9) 604 MPa 22 / 40 / 72  Flexural test (11) (12): - flexural strength 178 MPa 89 - flexural strain at flexural strength 178 MPa 68 - flexural stress at conventional deflection 178 MPa 68  Charpy impact strength – unnotched (13) 179-1/1eU kJ/m² 150  Charpy impact strength – notched 179-1/1eU kJ/m² 9  Ball indentation hardness (14) 2039-1 MPa 115  Rockwell hardness (14) 2039-2 - M 80  Electrical Properties at 23 °C  Electrical strength (15) (60243) kV/mm 20  Volume resistivity (60093) Ohm.cm > 10 <sup>14</sup> Surface resistivity (60093) Ohm > 10 <sup>13</sup> Relative permittivity ε <sub>Γ</sub> : - at 100 Hz (60250) - 3.8	Tension test (7):		02	
- tensile strain at yield (8) - tensile strain at break (8) - tensile modulus of elasticity (9)  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural test (11) (12): - flexural strength - flexural strain at flexural strength - flexural strain at flexural strength - flexural stress at conventional deflection - flexural stress at conventional deflection - flexural strength - notched - flexural strength - flexural streng	- tensile stress at yield (8)			
- tensile strain at break (8) - tensile modulus of elasticity (9)  Compression test (10): - compressive stress at 1 / 2 / 5% nominal strain (9)  Flexural test (11) (12): - flexural strength - flexural strength - flexural strength - unnotched (13)  Charpy impact strength - unnotched (13)  Charpy impact strength - notched  T79-1/1eU  Ball indentation hardness (14)  Rockwell hardness (14)  Electrical Properties at 23 °C  Electric strength (15)  Chough (60093)  Chm.cm  Chough (60093)  Chm.cm  Churdy impact strength - notched  Charpy impact strength - notched  Charpy impact strength - notched  Charpy impact strength - notched  T79-1/1eA  Bym²  Sufface resistivity  Chough (60093)  Chm.cm  Churdy (6	- tensile strength (8)			
- tensile modulus of elasticity (9)				
Compression test (10):         compression test (10):         degree of the compressive stress at 1 / 2 / 5% nominal strain (9)         604         MPa         22 / 40 / 72           Flexural test (11) (12):         - flexural strength         178         MPa         89           - flexural strength         178         MPa         68           - flexural stress at conventional deflection         178         MPa         68           Charpy impact strength – unnotched (13)         179-1/1eU         kJ/m²         150           Charpy impact strength – notched         179-1/1eU         kJ/m²         9           Ball indentation hardness (14)         2039-1         MPa         115           Rockwell hardness (14)         2039-2         -         M 80           Electrical Properties at 23 °C           Electrical Properties at 23 °C         Electrical enesistivity         (60243)         kV/mm         20           Volume resistivity         (60093)         Ohm.cm         > 10 <sup>14</sup> Surface resistivity         (60093)         Ohm         > 10 <sup>13</sup> Relative permittivity ε <sub>r</sub> : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8				-
- compressive stress at 1 / 2 / 5% nominal strain (9) 604 MPa 22 / 40 / 72  Flexural test (11) (12): - flexural strength - flexural strain at flexural strength - flexural stress at conventional deflection - flexural stress at conventional deflexion - flexural stress at conventional deflexion - flexural stress at conventional deflexio		52/	MPa	3,000
Flexural test (11) (12):         - flexural strength         178         MPa         89           - flexural strain at flexural strength         178         %         7.5           - flexural stress at conventional deflection         178         MPa         68           Charpy impact strength – unnotched (13)         179-1/1eU         kJ/m²         150           Charpy impact strength – notched         179-1/1eA         kJ/m²         9           Ball indentation hardness (14)         2039-1         MPa         115           Rockwell hardness (14)         2039-2         -         M 80           Electrical Properties at 23 °C         Electrical resistivity         (60043)         kV/mm         20           Volume resistivity         (60093)         Ohm.cm         > $10^{14}$ Surface resistivity         (60093)         Ohm         > $10^{13}$ Relative permittivity $\varepsilon_r$ : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8		604	MPa	22 / 40 / 72
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Flexural test (11) (12):	604	IVIPa	22 / 40 / / 2
- flexural strain at flexural strength - flexural strain at flexural strength - flexural stress at conventional deflection 178 MPa 68 Charpy impact strength – unnotched (13) 179-1/1eU kJ/m² 150 Charpy impact strength – notched 179-1/1eA kJ/m² 9 Ball indentation hardness (14) 2039-1 MPa 115 Rockwell hardness (14) 2039-2 - M 80  Electrical Properties at 23 °C Electric strength (15) (60243) kV/mm 20 Volume resistivity (60093) Ohm.cm > 10 <sup>14</sup> Surface resistivity (60093) Ohm > 10 <sup>13</sup> Relative permittivity ε <sub>Γ</sub> : - at 100 Hz - at 1 MHz (60250) - 3.8	- flexural strength	178	MPa	80
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
Charpy impact strength – unnotched (13)       179-1/1eU       kJ/m²       150         Charpy impact strength – notched       179-1/1eA       kJ/m²       9         Ball indentation hardness (14)       2039-1       MPa       115         Rockwell hardness (14)       2039-2       -       M 80         Electrical Properties at 23 °C       Electric strength (15)       (60243)       kV/mm       20         Volume resistivity       (60093)       Ohm.cm       > $10^{14}$ Surface resistivity       (60093)       Ohm       > $10^{13}$ Relative permittivity $\varepsilon_r$ : - at 100 Hz       (60250)       -       3.8         - at 1 MHz       (60250)       -       3.8		178		
Charpy impact strength – notched         179-1/1eA         kJ/m²         9           Ball indentation hardness (14)         2039-1         MPa         115           Rockwell hardness (14)         2039-2         -         M 80           Electrical Properties at 23 °C         Electric strength (15)         (60243)         kV/mm         20           Volume resistivity         (60093)         Ohm.cm         > $10^{14}$ Surface resistivity         (60093)         Ohm         > $10^{13}$ Relative permittivity $ε_r$ : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8	Charpy impact strength – unnotched (13)	179-1/1eU	kJ/m²	150
Rockwell hardness (14)         2039-2         -         M 80           Electrical Properties at 23 °C         Electric strength (15)         (60243)         kV/mm         20           Volume resistivity         (60093)         Ohm.cm         > $10^{14}$ Surface resistivity         (60093)         Ohm         > $10^{13}$ Relative permittivity ε <sub>Γ</sub> : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8			kJ/m²	9
Electrical Properties at 23 °C           Electric strength (15)         (60243)         kV/mm         20           Volume resistivity         (60093)         Ohm.cm         > $10^{14}$ Surface resistivity         (60093)         Ohm         > $10^{13}$ Relative permittivity $\varepsilon_r$ : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8		2039-1	MPa	115
Electric strength (15)         (60243)         kV/mm         20           Volume resistivity         (60093)         Ohm.cm         > $10^{14}$ Surface resistivity         (60093)         Ohm         > $10^{13}$ Relative permittivity $\varepsilon_r$ : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8	Rockwell hardness (14)	2039-2	-	M 80
Volume resistivity         (60093)         Ohm.cm         > $10^{14}$ Surface resistivity         (60093)         Ohm         > $10^{13}$ Relative permittivity $\varepsilon_r$ : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8	Electrical Properties at 23 °C			
Volume resistivity         (60093)         Ohm.cm         > $10^{14}$ Surface resistivity         (60093)         Ohm         > $10^{13}$ Relative permittivity $\varepsilon_r$ : - at 100 Hz         (60250)         -         3.8           - at 1 MHz         (60250)         -         3.8	Electric strength (15)	(60243)	kV/mm	20
Surface resistivity (60093) Ohm > $10^{13}$ Relative permittivity ε <sub>r</sub> : - at 100 Hz (60250) - 3.8 (60250) - 3.8		(60093)	Ohm.cm	> 10 <sup>14</sup>
Relative permittivity $\varepsilon_r$ : - at 100 Hz (60250) - 3.8 (60250) - 3.8 (60250) - 3.8				
- at 1 MHz (60250) - 3.8				
			-	
Dielectric dissipation factor tan 6: - at/100 Hz (60250) - 0.003	Dielectric dissipation factor tan δ: - at 100 Hz	(60250)	-	0.003
- at 1 MHz (60250) - 0.008			-	
Comparative tracking index (CTJ) - 600			-	600
Note: 1 g/cm³ = 1,000 kg/m³; 1 MPa = 1 N/mm²; 1 kV/mm = 1 MV/m		n = 1 MV/m		

## Certifications on biocompatibility type testing

USP Class VI (on the natural coloured POM Copolymer resins used in the manufacture of all ACETRON LSG grades); ISO 10993-5 (cytotoxicity test on the stock shapes)

Legend:

- (1) According to method 1 of ISO 62 and done on discs  $0.50 \times 3$  mm.
- (2) Only for short time exposure (a few hours) in applications where no or only a very low load is applied to the material.
- (3) Temperature resistance over a period of min. 20,000 hours. After this period of time, there is a decrease in tensile strength of about 50% as compared with the original value.

The temperature value given here is thus based on the fibermal-oxidative degradation which takes place and causes a reduction in properties. Note, however, that the maximum allowable service temperature depends in many cases essentially on the duration and the magnitude of the mechanical stresses to which the material is subjected.

- (4) Impact strength decreasing with decreasing temperature, the minimum allowable service temperature is practically mainly determined by the extent to which the material is subjected to impact. The value given here is based on unfavourable impact conditions and may consequently not be considered as being the absolute practical limit.
- (5) These ratings derived from raw material supplier data and other publications - are not intended to reflect hazards presented by the materials under actual fire conditions. There is no UL-yellow card available for ACETRON LSG stock shapes.
- (6) The figures given for the mechanical properties are average values of tests run on test specimens machined out of rod Ø 50 mm. Unless otherwise specified, the test specimens were taken from the mid between center and outside diameter with their largest size taken in axial direction (parallel to the extrusion direction).
- 7) Test specimens: Type 1 B
- Test speed: 50 mm/min (chosen acc. to ISO 10350-1 as a function of the ductile behaviour of the material)
- (9) Test speed: 1 mm/min
- (10) Test specimens: cylinders Ø 8 x 16 mm
- (11) Test specimens: bars 4 x 10 x 80 mm
- 12) Test speed: 2 mm/min 13) Pendulum used: 25 J
- (14) Measured on 10 mm thick disks Ø 50 mm, mid between center and outside diameter.
- (15) Electrode configuration: 25 / 75 mm coaxial cylinders; in transformer oil according to IEC 60296; 1 mm thick test specimens. Please note that the electric strength of ACETRON LSG black can be considerably lower than the figure listed in the table which refers to non-black material
- This table is a valuable help in the choice of a material. The data listed here fall within the normal range of product properties. However, they are not guaranteed and they should not be used to establish material specification limits nor used alone as the basis of design.

Quadrant's Life Science Grades should not be used for applications involving medical devices that are intended to remain implanted in the human body continuously for a period exceeding 24 hours/30 days\*, or are intended to remain in contact with internal human tissue or bodily fluids for more than 24 hours/30 days\*, or as critical components of medical devices that are essential to the continuation of human life.

\*: the period of 30 days only applies to KETRON® PEEK-CLASSIX™ LSG white.

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**Quadrant Engineering Plastic Products** 

global leader in engineering plastics for machining