

ABSENCE DECLARATION (RoHS)

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Version 11.0

Products: the **Quadrant EPP stock shapes** mentioned below:

Ketron[®] CLASSIX™ LSG PEEK white
Ketron[®] LSG CA30 PEEK
Ketron[®] LSG GF30 PEEK blue (RAL 5019)
Ketron[®] LSG PEEK natural and black
Quadrant[®] R5100 LSG PPSU black BK937
Quadrant[®] R5100 LSG PPSU natural NT15
Quadrant[®] R5500 LSG PPSU blue BU1027, green GN1007, grey GRY1037,
orange OR1145, red RD1018, yellow YL1337

Duratron[®] LSG PEI natural
Quadrant[®] LSG PSU natural
Quadrant[®] LSG PC natural
Acetron[®] LSG natural and black
Proteus[®] LSG HS PP white and black
Proteus[®] LSG H PP natural
Proteus[®] LSG H PP HP natural

To the best of our knowledge, we herewith confirm that the substances cadmium (Cd), lead (Pb), mercury (Hg), hexavalent chromium [Cr(VI)], polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP), regulated by the **Directive 2011/65/EU** of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances (**RoHS**) in electrical and electronic equipment, as amended up to and inclusive of the Commission Delegated Directive (EU) 2017/1011, are neither intentionally introduced² during the production of the raw materials nor during the manufacture of the above mentioned **Quadrant EPP stock shapes**.

¹ This statement expires in case of regulatory or compositional changes. New statements are published on our website in case of alterations; previous statements then automatically become void. Please always consult our website for the latest version.

² “Intentionally introduced” means “deliberately utilised in the formulation of a material to facilitate manufacture or to provide a specific characteristic, appearance or quality”.

Since the presence of the above mentioned substances cannot reasonably be expected, Quadrant Engineering Plastic Products does not systematically check their absence in its stock shapes by testing.

However, type tests carried out by an accredited independent laboratory on the **Quadrant EPP stock shapes** mentioned above by means of ICP-MS (Inductively-Coupled-Plasma Mass-Spectrometry) showed the sum of the contents of the heavy metals cadmium, chromium, lead and mercury for each individual product mentioned above to be lower than 35 mg/kg (ppm).

For most of these **Quadrant EPP stock shapes**, the contents of cadmium, chromium, lead and mercury even showed to be for each individual substance below the detection limits of the ICP-MS testing device used (cadmium: 0.5 ; chromium: 5 ; lead: 1 ; mercury: 0.5 mg/kg).

Since additionally the **Quadrant EPP stock shapes** mentioned above do not at all contain flame retardants - flame retardants which could contain polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) - or plasticisers - plasticisers which could contain bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) or diisobutyl phthalate (DIBP) - we therefore consider the requirements of the **Directive 2011/65/EU** as being met.

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PEEK-CLASSIX[™] is a trademark of **Invio Ltd.**

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Any illustration of the possible fields of application of the Products shall merely demonstrate the potential of these Products, but any such description does not constitute any kind of covenant whatsoever. Irrespective of any tests that Quadrant may have carried out with respect to any Product, Quadrant does not possess expertise in evaluating the suitability of its materials or Products for use in specific applications or products manufactured or offered by the customer respectively. The choice of the most suitable plastics material depends on available chemical resistance data and practical experience, but often preliminary testing of the finished plastics part under actual service conditions (right chemical, concentration, temperature and contact time, as well as other conditions) is required to assess its final suitability for the given application. It thus remains the customer's sole responsibility to test and assess the suitability and compatibility of Quadrant's Products for its intended applications, processes and uses, and to choose those Products which according to its assessment meet the requirements applicable to the specific use of the finished product. The customer undertakes all liability in respect of the application, processing or use of the aforementioned information or product, or any consequence thereof, and shall verify its quality and other properties.