



January 1, 2015

Re: Declaration for Ryton® PPS or Xtel® PPS Alloy Products, Heavy & Trace Metals

To Whom It May Concern:

Listed below are metals normally expected to be present in Ryton® PPS and Xtel® PPS Alloy products in amounts exceeding 1 ppm. Other metals, including cadmium (Cd) and mercury (Hg), may only be present in Ryton® PPS and Xtel® PPS Alloy products as adventitious trace impurities (not intentionally added to the products) in amounts not normally expected to exceed 1 ppm.

- Ryton® PPS and Xtel® PPS Alloy compounds utilize polymers, fillers and additives that include substances containing aluminum (Al), calcium (Ca), iron (Fe), magnesium (Mg), potassium (K), sodium (Na), titanium (Ti), and zinc (Zn).
- Ryton® PPS and Xtel® PPS Alloy compounds may contain up to 10 ppm of chromium (Cr) and up to 10 ppm of nickel (Ni) arising from corrosion of production equipment during the manufacturing process. These are adventitious trace impurities not intentionally added to the products. It has not been determined what fraction of the chromium is hexavalent chromium (Cr VI).
- Glass fiber reinforced Ryton® PPS and Xtel® PPS Alloy compounds may contain up to 20 ppm of lead (Pb) arising from adventitious lead oxide impurities incorporated in the glass (not lead metal). This is an adventitious trace impurity not intentionally added to the products.
- Ryton® BR11-061GO compound utilizes an azo-nickel pigment. This product is no longer in production.
- Ryton® R-10 3001B and R-10 4000B compounds utilize a copper phthalocyanine pigment. These products are no longer in production.
- Xtel® XK2040 and XK2140 compounds utilize antimony oxide as a flame retardant additive. These products are no longer in production.

Sincerely,

A handwritten signature in black ink that reads 'John Bankston'.

John Bankston
Regulatory Affairs & Product Stewardship Manager – Aromatic Polymers