



January 1, 2015

**Re: Declaration for Ryton® PPS or Xtel® PPS Alloy Products,  
Halogenated Aromatic Compounds**

To Whom It May Concern:

With the exceptions noted below, Ryton® PPS and Xtel® PPS Alloy products do not utilize additives containing halogenated aromatic compounds such as hexachlorobenzene, pentachlorophenol (PCP), polybromobiphenyls (PBBs), polybromobiphenylethers (PBBEs), polybromobiphenyloxides (PBBOs), polybromodiphenylethers (PBDEs), polybromodiphenyloxides (PBDOS), polychlorobiphenyls (PCBs), polychloroterphenyls (PCTs), pentabromodiphenylether (penta-BDE), octabromodiphenylether (octa-BDE), decabromodiphenylether (deca-BDE), tetrabromobisphenol A, etc. Listed below are the halogenated aromatic compounds normally expected to be present in Ryton® PPS and Xtel® products in amounts exceeding 1 ppm.

- Ryton® PPS and Xtel® PPS Alloy compounds are expected to contain up to 100 ppm of chlorinated aromatic hydrocarbons consisting mostly of residual p-dichlorobenzene (polyphenylene sulfide co-monomer) along with trace amounts of various monochloro aromatic hydrocarbons that arise as by-products of the polymerization process.
- Xtel® XK2040 and XK2140 compounds utilize a brominated hydrocarbon flame retardant additive not classified as a PBB or PBDE.

Sincerely,

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

John Bankston  
Regulatory Affairs & Product Stewardship Manager – Aromatic Polymers