

VICOTE® 705 Blue

Polyetheretherketone

Victrex plc

Message:

VICOTE 705 Blue is a blue pigmented version of the VICOTE 705 grade and contains additives to help with adhesion, wetting of the substrate and shrinkage. This grade has a nominal particle size of ~ 50 microns. The powder is light blue in colour and is a low melt viscosity grade for lower film builds. Typical film thicknesses range from 50 - 80 microns. The final coating takes on a mid blue colour after stoving.

The VICTREX® PEEK polymer contained in the VICOTE powder coatings are thermoplastic in nature and exhibits flow above the melt temperature. When processed using the correct guidelines the coatings will exhibit the excellent properties that VICTREX PEEK polymer is renowned for.

Typical properties are high continuous use temperature of 260°C, excellent wear, abrasion and cut through resistance at these high temperatures combined with excellent chemical and radiation resistance. VICOTE Coatings have a low level of extractables and are hydrolysis resistant and inherently flame retardant.

General Information	
Additive	Unspecified Additive
Features	Flame Retardant
	Good Abrasion Resistance
	Good Chemical Resistance
	Good Wear Resistance
	Hydrolysis Resistant
	Low Extractables
	Low Viscosity
	Radiation (Gamma) Resistant
Uses	Coating Applications
Agency Ratings	FDA 21 CFR 175.300
Appearance	Blue
Processing Method	Coating
	Electrostatic Spray Coating

Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Particle Size	50.0	µm	
Konig Hardness	3.0	min	ISO 1522
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	260	°C	ASTM D794
Glass Transition Temperature	143	°C	DSC
Melting Temperature	343	°C	DSC
RTI Elec	260	°C	UL 746
RTI Imp	260	°C	UL 746
RTI Str	260	°C	UL 746

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