

VICOTE® 705Blk

Polyetheretherketone

Victrix plc

Message:

VICOTE 705Blk is a black pigmented version of the 705 grade. This grade has a nominal particle size of ~ 50 microns. The powder is dark grey 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 dark gun metal grey colour after stoving.

VICOTE Coatings, like other noncoating grades of VICTREX PEEK polymer, are thermoplastic in nature and exhibit 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			
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Wear Resistance		
	Hydrolysis Resistant		
	Low Extractables		
	Medium Heat Resistance		
	Radiation (Gamma) Resistant		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 175.300		
Appearance	Black		
	Dark Grey		
Forms	Powder		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	260	°C	Internal Method
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
Additional Information	Nominal Value	Unit	Test Method
Konig Hardness	3.3	min	ISO 1522
Extrusion	Nominal Value	Unit	

Drying Temperature	120 to 150	°C
Drying Time	< 3.0	hr

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