

# VICOTE® 705

Polyetheretherketone

Victrix plc

## Message:

VICOTE 701-707 grades are specially developed powder coatings. They are available in various average particle sizes from 10 - 50 microns. The powders are off-white in color and are available in various melt viscosities depending on the film thickness and level of melt flow required. Typical film thicknesses range from < 100 microns up to 500 microns. Film thicknesses above 1 mm are possible by building up the coating thickness by the hot flocking technique.

Like other non-coating grades of VICTREX PEEK polymer, VICOTE Coatings 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.

High continuous use temperature of 260°C

Excellent wear, abrasion and cut through resistance at these high temperatures

Excellent chemical and radiation resistance

Low level of extractables

Hydrolysis resistant

Inherently flame retardant

General Information			
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Wear Resistance		
	High Heat Resistance		
	Hydrolysis Resistant		
	Low Extractables		
	Radiation (Gamma) Resistant		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 175.300		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm <sup>3</sup>	ISO 1183
Thermal	Nominal Value	Unit	Test 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	

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Drying Time

< 3.0

hr

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#### Recommended distributors for this material

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