

Victrex® Vicote® 703 Polyetheretherketone (PEEK) Powder

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

Properties: 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 VICTREXPEEK 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 All information provided by Victrex.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Victrex-Vicote-703-Polyetheretherketone-PEEK-Powder.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183

Thermal Properties	Metric	English	Comments
Melting Point	343 °C	649 °F	DSC
Glass Transition Temp, Tg	143 °C	289 °F	DSC
UL RTI, Electrical	260 °C	500 °F	UL746B

Processing Properties	Metric	English	Comments
Drying Temperature	120 °C	248 °F	overnight before use
	150 °C	302 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
Konig Hardness	200 seconds	BS EN ISO 1522

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