VICOTE® 709

Polyetheretherketone

Victrex plc

Message:

VICOTE 708 and 709 grades are specially developed powder coatings (based on VICTREX HT™ polymer) with a higher Tg and melting point than the standard VICOTE products. VICOTE 708 and 709 grades deliver extended high temperature performance while offering all the key characteristics of standard VICOTE Coatings. Key features of VICOTE 708 and 709 grades include:
Retention of mechanical and physical properties at temperatures 30°C higher than other 700 series coatings.
Up to 3 times the wear resistance of standard 700 series coatings.
Higher levels of fatigue performance.
Higher creep modulus than standard 700 series coatings at 150°C
VICOTE 708 and 709 grade powders 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.
VICOTE 708 and 709 grades, like other non-coating grades of VICTREX HT 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 HT 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	Fatigue Resistant		
	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	Off-White		
Forms	Powder		
Processing Method	Coating		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.32	g/cm³	ISO 1183
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	260	°C	Internal Method
Glass Transition Temperature	157	°C	DSC
Melting Temperature	374	°C	DSC
RTI Elec	260	°C	UL 746

RTI Imp	260	°C	UL 746
RTI Str	260	°C	UL 746

Extrusion	Nominal Value	Unit
Drying Temperature	120 to 150	°C
Drying Time	< 3.0	hr

Recommended distributors for this material

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