VICOTE® F814

Polyetheretherketone

Victrex plc

Message:

VICOTE F814 has been specifically formulated to provide a resilient coating with high wear and abrasion resistance on ferrous and non-ferrous metals such as carbon and cast steel. These properties are retained at high temperatures where other coatings would potentially fail. Typical properties are high continuous use temperature of 280°C, excellent wear, abrasion and cut through resistance at these high temperatures combined with excellent chemical resistance. VICOTE dispersions have a low level of extractables and are inherently flame retardant. Contact Victrex plc for further details.
VICOTE F814 dispersions are aqueous based however there are small amounts of solvents present. Refer to the appropriate MSDS sheet for details.
The VICTREX® PEEK polymer contained in the VICOTE dispersions like other non-coating 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. For further information consult the Victrex Chemical Resistance Data sheets.

General Information	
Features	Flame Retardant
	Good Abrasion Resistance
	Good Chemical Resistance
	Good Wear Resistance
	High Heat Resistance
	Low Extractables
	Resilient
Uses	Coating Applications
Agency Ratings	FDA 21 CFR 175.300
Forms	Liquid
Processing Method	Coating
	Spraying

Physical	Nominal Value	Unit	Test Method
Density (25°C)	1.05	g/cm³	ISO 2811
pH	10.0		Internal Method
Viscosity (25°C)	1.0	min	ISO 2431
Weight - Solids	37	%	Internal Method
Cross Hatch Adhesion [1]			ISO 2409
Aluminum	0		
Mild Steel	0		
Stainless Steel	0		
Direct Impact [2]			ISO 6272
Height	100.00	cm	
Indentation depth	0.50	cm	
Weight	2000	g	
Konig Hardness (40.0 to 50.0 µm)	2.4	min	ISO 1522

Theory Volume Solids	28	%	
Mechanical	Nominal Value		Test Method
Coefficient of Friction [3]	0.54		ASTM G133
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	280	°C	
Melting Temperature [4]	372	°C	DSC
NOTE			
1.	Rating 0 to 5		
2.	Part 1		
3.	Using 250N Load, μm @ 10 min		
4.	Peak		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China