

Victrex® Vicote® F814 Polyetheretherketone (PEEK) Liquid Dispersion

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

Material Notes:

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. All information provided by Victrex.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Victrex-Vicote-F814-Polyetheretherketone-PEEK-Liquid-Dispersion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ISO 2811
Solids Content	28.1 %	28.1 %	Theory Volume
	37.4 %	37.4 %	weight; Internal Test
pH	10	10	
Viscosity Measurement	60	60	BSEN ISO 2431
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Impact	1.0	1.0	1m, 2kg, Indent 5mm; ISO 6272
Coefficient of Friction	0.54	0.54	µm @ 10 min., Using 250N Load; ASTM G 133

Thermal Properties	Metric	English	Comments
Melting Point	372 °C	702 °F	DSC

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
Color	Off White	
Konig Hardness (seconds)		ISO 1522

Descriptive Properties	¹⁴² Value	Comments
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