

# VICOTE® F804

Polyetheretherketone

Victrex plc

## Message:

VICOTE F804 has been specifically formulated to provide a resilient coating with high wear and abrasion resistance on ferrous substrates such as carbon and cast steels. These properties are retained at high temperatures where other coatings would potentially fail. Typical properties are high continuous use temperature of 260°C, excellent wear, abrasion and cut through resistance at these high temperatures combined with excellent chemical and radiation resistance. VICOTE dispersions have a low level of extractables and inherently flame retardant. Contact Victrex for further details.

VICOTE F804 dispersions are aqueous based, however there are small amounts of solvents present. Refer to the appropriate MSDS sheet for details.

The 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 is renowned for. For further chemical resistance 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		
	Radiation (Gamma) Resistant		
	Resilient		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 175.300		
Forms	Liquid		
Processing Method	Coating		
	Spraying		
Mechanical	Nominal Value		Test Method
Coefficient of Friction <sup>1</sup>	0.53		ASTM G133
Thermal	Nominal Value	Unit	
Continuous Use Temperature	260	°C	
Additional Information	Nominal Value	Unit	Test Method
Cross Hatch Adhesion <sup>2</sup>			ISO 2409
Aluminum	0.00		
Mild Steel	0.00		
Stainless Steel	0.00		
Direct Impact <sup>3</sup>			ISO 6272
Height	100.00	cm	
Indentation depth	1.50	cm	
Weight	1000	g	
Konig Hardness (40.0 to 50.0 µm)	3.3	min	ISO 1522

## NOTE

- |    |   |
|----|---|
| 1. | Using 100N Load, $\mu\text{m}$ @ 10 min |
| 2. | Rating 0 to 5                           |
| 3. | Part 1                                  |

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