

VICOTE® F804Blk

Polyetheretherketone

Victrix plc

Message:

VICOTE F804Blk has been specifically formulated to provide a resilient coating with high wear and abrasion resistance on ferrous and non-ferrous substrates such as carbon steel, cast steel and aluminium. 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 Victrix for further details

VICOTE F804Blk 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 Victrix 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
Appearance	Black
Forms	Liquid
Processing Method	Coating Spraying

Mechanical	Nominal Value		Test Method
Coefficient of Friction ¹	0.61		ASTM G133
Thermal	Nominal Value	Unit	
Continuous Use Temperature	260	°C	
Additional Information	Nominal Value	Unit	Test Method
Conical Bend	3.20Pass	mm	ISO 6860
Cross Hatch Adhesion ²			ISO 2409
Aluminum	0		
Mild Steel	0		
Stainless Steel	0		
Direct Impact ³			ISO 6272
Height	100.00	cm	
Indentation depth	1.50	cm	

Weight	1000	g	
Konig Hardness (40.0 to 50.0 μm)	3.4	min	ISO 1522

NOTE

1. Using 100N Load, μm @ 10 min
2. Rating 0 to 5
3. Part 1

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