

Solvay Specialty Polymers Virantage[®] VW-10700 RP, RFP, RSFP Polyethersulfone (PESU)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

Virantage[®] VW-series functionalized polyethersulfones (r-PESU) are amorphous, high-temperature sulfone polymers featuring reactive end groups to enhance solubility and improve interfacial properties in epoxy thermosets. Their inherent toughness imparts damage tolerance to thermoset composites and excellent flexibility to coatings. Virantage[®] polymers also offer superior thermal and hydrolytic stability that delivers best-in-class hot-wet performance. Features: Amorphous; Good Thermal Stability; Good Toughness; High Heat Resistance; Hydrolytically Stable; Low Molecular Weight; Low Viscosity Uses: Aerospace Applications Additional Properties: Average Molecular Weight - Internal Method 21000 g/mol; Moisture - Internal Method 1.5 %; OH End Groups - Internal Method 210 $\mu\text{eq/g}$; Particle Size - 75.0 μm ; Particle Size - 500 μm ; Particle Size - 45.0 μm ; Residual Solvent - Internal Method 0.15 % Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Virantage-VW-10700-RP-RFP-RSFP-Polyethersulfone-PESU.php

Physical Properties	Metric	English	Comments
Viscosity	560 cP	560 cP	Solution Viscosity; ASTM D455

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	216 $^{\circ}\text{C}$	421 $^{\circ}\text{F}$	ASTM E1356

Descriptive Properties	Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	Latin America	
	North America	
Form	Pellets	
Processing Technique	Coating; Compounding	

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