

Solvay Specialty Polymers Virantage® VW-10300 P, FP Polyethersulfone (PESU) (Unverified Data**)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

Virantage® VW-10300 polyethersulfone (PESU) is a non-functionalized, high-temperature sulfone polymer powder. Two grades are offered: Virantage VW-10300P and Virantage VW-10300FP, providing two particle sizes to meet formulators' specific needs. Their inherent toughness imparts damage tolerance to thermoset composites. Virantage PESU polymers also offer superior thermal and hydrolytic stability that deliver best-in-class hot-wet performance. These amorphous thermoplastics may be used to toughen a variety of advanced thermoset composites used to produce high-performance aerospace components. Virantage PESU tougheners have been used successfully in a variety of thermosetting resin systems including epoxies, phenolics and BMIs. All Virantage PESU polymers are produced at Solvay's state-of-the-art, world-scale facility in Panoli, India under ISO 9001:2000 and ISO 14001:2004 certified quality management systems. Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Virantage-VW-10300-P-FP-Polyethersulfone-PESU-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Moisture Absorption at Equilibrium	1.0 %	1.0 %	Measured at time of packaging; Internal Method
Particle Size	63 µm	63 µm	VW-10300FP; D90 Particle sizes by sieve measurement
	500 µm	500 µm	VW-10300P; D90 Particle sizes by sieve measurement
Viscosity	800 cP @Temperature 40.0 °C	800 cP @Temperature 104 °F	25% solution in DMAc; Internal Method

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	220 °C	428 °F	DSC

Descriptive Properties	Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Features	Amorphous	

Descriptive Properties	Good Thermal Stability Value	Comments
	Good Toughness	
	High Heat Resistance	
	Hydrolytically Stable	
	Medium Molecular Weight	
	Medium-high Viscosity	
Forms	Powder	
Generic	PESU	
Processing Method	Compounding	
Residual Solvent (%)	0.2	Measured by Gas Chromatography
Uses	Aerospace Applications	

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