

## Solvay Specialty Polymers Veradel® 3600RP Polyethersulfone (PESU)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

### Material Notes:

Veradel® 3600RP hydroxyl-functionalized polyethersulfone (r-PESU) is an amorphous, high-temperature sulfone polymer featuring reactive end groups to enhance solubility for dissolving or dispersing into solutions and to improve adhesion to substrates when used as a coating. Veradel® 3600RP r-PESU offers excellent toughness and outstanding hydrolytic resistance. It resists attack from steam, boiling water and mineral acids. Cast films or coatings of r-PESU are transparent and have additional desirable properties, including long term thermal stability, excellent metal adhesion and formability and inherent flame resistance. Features: Acid Resistant; Flame Retardant; Good Adhesion; Good Chemical Resistance; Good Creep Resistance; Good Dimensional Stability; Good Thermal Stability; Good Toughness; High Flow; High Heat Resistance; High Tensile Strength; Hydrolysis Resistant; Low Molecular Weight; Medium Rigidity Uses: Adhesives; Binder; Coating Applications Additional Properties: Moisture Content - Internal Method 1.5 %; OH End Groups - Internal Method 170 µeq/g; Particle Size - Internal Method 250 µm; Residual Solvent - Internal Method 1.5 % Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Veradel-3600RP-Polyethersulfone-PESU.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Veradel-3600RP-Polyethersulfone-PESU.php)

Physical Properties	Metric	English	Comments
Viscosity	80 cP	80 cP	Solution Viscosity; ASTM D455

Mechanical Properties	Metric	English	Comments
Tensile Strength	90.0 MPa	13100 psi	ASTM D638
Elongation at Yield	6.5 %	6.5 %	ASTM D638
Tensile Modulus	2.70 GPa	392 ksi	ASTM D638
Flexural Strength	2.60 MPa	377 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	220 °C	428 °F	ASTM E1356

Compliance Properties	Metric	English	Comments
NSF	Yes	Yes	NSF 51

Descriptive Properties	Value	Comments
Agency Ratings	NSF 51	
Availability	Africa & Middle East	

Descriptive Properties	Value	Comments
	Asia Pacific	
	Europe	
	Latin America	
	North America	
Color	Transparent - Slight Yellow	
Form	Granules; Powder	
Processing Technique	Coating; Solution Processing; Spraying	

## Contact Songhan Plastic Technology Co.,Ltd.

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