

Solvay Specialty Polymers Veradel[®] A-304P Polyethersulfone (PESU)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

Veradel[®] A-304P (PESU) is a powder designed for dissolving or dispersing into solutions. It can also be ground to smaller particle size, or blended with other solid particles. PESU offers excellent toughness and outstanding hydrolytic resistance. It resists attack from steam, boiling water and mineral acids. Cast films or coatings of 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; Food Contact Acceptable; Good Adhesion; Good Chemical Resistance; Good Creep Resistance; Good Dimensional Stability; Good Thermal Stability; Good Toughness; High Heat Resistance; High Tensile Strength; Hydrolysis Resistant; Medium Flow; Medium Molecular Weight; Medium Rigidity Uses: Adhesives; Coating Applications; Compounding Additional Properties: Residual Solvent - Internal Method 0.50 %; Viscosity - Internal Method (40[°]C): 350 mPa·s Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Veradel-A-304P-Polyethersulfone-PESU.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Water Absorption	0.60 % @Time 86400 sec	0.60 % @Time 24.0 hour	ISO 62

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	49.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	27.2 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Glass Transition Temp, Tg	220 °C	428 °F	ASTM E1356

Descriptive Properties	Value	Comments
Availability	Africa & Middle East Asia Pacific Europe Latin America North America	
Color	Transparent - Slight Yellow	
Form	Powder	
Processing Technique	Cast Film; Coating; Solution Processing; Spraying	
RoHS Compliance	RoHS Compliant	

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