

## Solvay Specialty Polymers Veradel® A-704P Polyethersulfone (PESU) (Unverified Data\*\*)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

### Material Notes:

Veradel A-704P (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. Typical applications include high-temperature coating formulations, advanced high-temperature composites and specialty adhesives. Veradel A-704P is relatively low in molecular weight and viscosity. A higher molecular weight and viscosity grade is available as A-304P. This grade was formerly marketed as Radel® A PESU - Natural: Veradel A-704P NT Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Veradel-A-704P-Polyethersulfone-PESU-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Veradel-A-704P-Polyethersulfone-PESU-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Water Absorption	0.60 % @Time 86400 sec	0.60 % @Time 24.0 hour	ASTM D570
Viscosity	200 cP @Temperature 40.0 °C	200 cP @Temperature 104 °F	Solution, 25% in Dimethylacetamide; Internal Method

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	49.0 µm/m-°C	27.2 µin/in-°F	ASTM D696
Glass Transition Temp, Tg	220 °C	428 °F	ASTM E1356

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Descriptive Properties	Value	Comments
Appearance	Transparent - Slight Yellow	
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	

Descriptive Properties	South America Value	Comments
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 Flow	
	High Heat Resistance	
	High Tensile Strength	
	Hydrolysis Resistant	
	Low Molecular Weight	
Medium Rigidity		
Forms	Powder	
Generic	PESU	
Processing Method	Coating	
	Solution Processing	
	Spraying	
Residual Solvent (%)	0.50	Internal Method
RoHS Compliance	RoHS Compliant	
Uses	Adhesives	
	Coating Applications	

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