

Veradel® A-304P

Polyethersulfone
Solvay Specialty Polymers

Message:

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.

Typical applications include high-temperature coating formulations, advanced high-temperature composites, and specialty adhesives.

Veradel® A-304P is high in molecular weight and viscosity. A lower molecular weight and viscosity grade is available as A-704P.

This grade was formerly marketed as Radel® A PESU

Natural: Veradel® A-304P NT

General Information	
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
RoHS Compliance	RoHS Compliant
Appearance	Transparent - Slight Yellow
Forms	Powder
Processing Method	Cast Film
	Coating
	Solution Processing
	Spraying

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.60	%	ASTM D570
Residual Solvent	0.50	%	Internal Method
Viscosity - Solution ¹ (40°C)	350	mPa · s	Internal Method
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	220	°C	ASTM E1356
CLTE - Flow	4.9E-5	cm/cm/°C	ASTM D696
NOTE			
1.	25% in Dimethylacetamide		

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