

Veradel® A-704P

Polyethersulfone
Solvay Specialty Polymers

Message:

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

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 Flow		
	High Heat Resistance		
	High Tensile Strength		
	Hydrolysis Resistant		
	Low Molecular Weight		
	Medium Rigidity		
Uses	Adhesives		
	Coating Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Transparent - Slight Yellow		
Forms	Powder		
Processing Method	Coating		
	Solution Processing		
	Spraying		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792

Water Absorption (24 hr)	0.60	%	ASTM D570
Residual Solvent	0.50	%	Internal Method
Viscosity - Solution ¹ (40°C)	200	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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