

Veradel® A-704P polyethersulfone

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

Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific • Europe	• Latin America • North America
Features	• Acid Resistant • Chemical Resistant • Creep Resistant • Flame Retardant • Food Contact Acceptable • Good Adhesion • 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	Typical Value	Unit	Test method
Density / Specific Gravity	1.37		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	Typical Value	Unit	Test method
Glass Transition Temperature	220	°C	ASTM E1356
CLTE - Flow	4.9E-5	cm/cm/°C	ASTM D696

Veradel® A-704P

polyethersulfone

Notes

Typical properties: these are not to be construed as specifications.

¹ 25% in Dimethylacetamide

Veradel® A-704P

polyethersulfone



www.syensqo.com

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

Neither Syensqo nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Syensqo's products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Syensqo's recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right.

All trademarks and registered trademarks are property of the companies that comprise the Syensqo or their respective owners.

© 2024 2023 Syensqo. All rights reserved.