Veradel® 3300 PREM MR

Polyethersulfone

Solvay Specialty Polymers

Message:

Veradel®PESU originally used Gafone™PESU sales. Veradel polyethersulfone (PESU) is transparent, has high thermal deformation temperature, excellent toughness and dimensional stability, and is resistant to water vapor, boiling water and inorganic acid. Other excellent properties include thermal stability, creep resistance and inherent flame retardancy. 3200 Veradel meet FDA standards and can come into direct contact with food. The Veradel 3200 is a low melt flow rate grade, both extrusion and injection molding. The Veradel 3300 is a medium melt flow rate grade and is recommended for conventional injection molding. Veradel 3400 is a high melt flow rate grade, suitable for thin-walled or long flow distance components.

General Information	
UL YellowCard	E36098-100168882
Features	Good dimensional stability High tensile strength Good creep resistance Good adhesion Medium liquidity Good chemical resistance Heat resistance, high Hydrolysis resistance acid resistance Thermal stability, good Good toughness General Medium molecular weight Medium hardness Flame retardancy
Uses	Food service sector General
RoHS Compliance	RoHS compliance
Appearance	Transparent-Slightly Yellow
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (380°C/2.16 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60	%	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Water Absorption - 30 days	1.9	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2690	MPa	ASTM D638
Tensile Strength	88.9	MPa	ASTM D638
Tensile Elongation (Yield)	6.5	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	125	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	53	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Annealed)	200	°C	ASTM D648
CLTE - Flow	5.2E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.7E+15	ohms·cm	ASTM D257
Dielectric Strength	15	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
60 Hz	3.51		ASTM D150
1 kHz	3.50		ASTM D150
1 MHz	3.54		ASTM D150
Dissipation Factor			ASTM D150
60 Hz	1.7E-3		ASTM D150
1 kHz	2.2E-3		ASTM D150
1 MHz	5.6E-3		ASTM D150
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating [1] (1.5 mm)	V-0		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	177	°C	
Drying Time	2.5	hr	
Processing (Melt) Temp	343 - 385	°C	
Mold Temperature	149 - 163	°C	
Injection Rate	Fast		
Screw Compression Ratio	2.0:1.0		
NOTE			
1.	These flammability ratings do not represent the risk of these materials or any other materials in actual fire situations.		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT