Duron PEI 2200

Polyether Imide

ProPolymers Inc.

Message:

Duron PEI 2200 is a 20% glass filled polyetherimide that offers a superior combination of mechanical, electrical, and thermal properties. PEI is inherently flame resistant with low smoke emission. It provides outstanding processability and good chemical resistance.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Low smoke Workability, good Good chemical resistance Flame retardancy		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.42	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow: 3.18mm	0.30 - 0.50	%	ASTM D955
Transverse flow: 3.18mm	0.40 - 0.60	%	ASTM D955
Water Absorption (24 hr)	0.19	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	114		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	140	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	6500	MPa	ASTM D790
Flexural Strength	210	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	210	°C	ASTM D648
1.8 MPa, not annealed	210	°C	ASTM D648
Vicat Softening Temperature	221	°C	ASTM D1525
CLTE - Flow	4.5E-5	cm/cm/°C	ASTM D696
Additional Information			

Notched Izod Impact, ASTM D256: 9 kJ/m²Unnotched Izod Impact, ASTM D256: 30 kJ/m²

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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