POLYFLAM® RPP 3225 GW

Polypropylene Homopolymer

A. Schulman Europe

Message:

25% glass fibre reinforced flame-retardant PP-Homopolymer; without PBDE

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Features	High strength Homopolymer Copper contact stability Flame retardancy		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.39	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	20.0	cm³/10min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	7650	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	69.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.3	%	ISO 527-2/1A/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	135	°C	ISO 75-2/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94, IEC 60695-11-10, -20
1.6 mm	V-0		UL 94, IEC 60695-11-10, -20
3.2 mm	V-0		UL 94, IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
1.5 mm	960	°C	IEC 60695-2-12
3.0 mm	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.5 mm	850	°C	IEC 60695-2-13

3.0 mm	850	°C	IEC 60695-2-13

Additional Information
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications

Injection	Nominal Value	Unit
Drying Temperature	70 - 80	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	180	°C
Middle Temperature	200	°C
Front Temperature	210	°C
Nozzle Temperature	220	°C
Processing (Melt) Temp	180 - 220	°C
Mold Temperature	40 - 80	°C
Injection Pressure	80.0 - 120	MPa
Injection Rate	Slow-Moderate	
Holding Pressure	40.0 - 90.0	MPa
Back Pressure	5.00 - 10.0	MPa
Cushion	< 5.00	mm
Screw Speed		mm/sec

Recommended distributors for this material

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WECHAT