Retpol® 7559 HS UV1

Polypropylene

PolyPacific Pty. Ltd.

Message:

EPALEX 7559 HS UV1 is a 28% glass fibre and mineral reinforced, impact modified, coupled polypropylene compound. It is a high flow injection moulding grade developed for an automotive interior application requiring soft touch haptics, good scratch resistance with high rigidity, high heat deflection temperatures and good impact strength. It is stabilized to meet automotive interior weathering requirements.

General Information					
Filler / Reinforcement	Glass Fiber,28% Filler by Weight				
	Mineral				
A aladishina	Host Stabilizar				
Additive	Heat Stabilizer				
	Impact Modifier				
	UV Stabilizer				
Features	Chemically Coupled				
	Good Impact Resistance				
	Heat Stabilized				
	High Flow				
	High Rigidity				
	Impact Modified				
	Scratch Resistant				
Uses	Automotive Applications				
	Automotive Interior Parts				
Forms	Granules				
Processing Method	Injection Molding				
Physical	Nominal Value	Unit	Test Method		
Specific Gravity	1.11	g/cm³	ASTM D792		
Melt Mass-Flow Rate (MFR) (230°C/2.16					
kg)	11	g/10 min	ASTM D1238		
Molding Shrinkage - Flow (3.00 mm)	0.10 to 0.70	%	ASTM D955		
Hardness	Nominal Value	Unit	Test Method		
Durometer Hardness			ASTM D2240		
Shore D, 3.00 mm	66				
Shore D, 15 sec, 3.00 mm	54				
Mechanical	Nominal Value	Unit	Test Method		
Tensile Strength ¹ (3.00 mm)	31.0	MPa	ASTM D638		
Tensile Elongation ² (Break, 3.00 mm)	7.0	%	ASTM D638		

Flexural Modulus (3.00 mm)	2330	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, 3.00 mm	230	J/m	
23°C, 3.00 mm	270	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45			
MPa, Unannealed, 3.00 mm)	140	°C	ASTM D648
CLTE - Flow (-30 to 30°C, 3.00 mm)	3.0E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Temperature Drying Time	100 2.0 to 4.0	°C hr	
Drying Time	2.0 to 4.0	hr	
Drying Time Suggested Max Regrind	2.0 to 4.0	hr %	
Drying Time Suggested Max Regrind Processing (Melt) Temp	2.0 to 4.0 10 200 to 260	hr % °C	
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