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		
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 Time	2.0 to 4.0	hr	
Suggested Max Regrind	10	%	
Processing (Melt) Temp	200 to 260	°C	
Mold Temperature	20.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	50 mm/min		
2.	50 mm/min		

Recommended distributors for this material

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