

Retpol® 7573 UVH

Polypropylene

PolyPacific Pty. Ltd.

Message:

EPALEX 7573 UVH is an unfilled thermoplastic rubber modified polypropylene compound. It is a low flow extrusion grade formulated as a capping layer to give high gloss and improved mar resistance and is stabilized to provide long term protection against outdoor weathering.

General Information			
Additive	Rubber		
	UV Stabilizer		
Features	High Gloss		
	Low Flow		
Uses	Profiles		
	Sheet		
Forms	Granules		
Processing Method	Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.4 to 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.00 mm)	60		ASTM D785
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	69		
Shore D, 15 sec, 3.00 mm	60		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.00 mm)	25.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.00 mm)	500	%	ASTM D638
Flexural Modulus (3.00 mm)	840	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, 3.00 mm	92	J/m	
23°C, 3.00 mm	510	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	67.0	°C	ASTM D648
CLTE - Flow (-30 to 30°C, 3.00 mm)	1.0E-4	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Suggested Max Regrind	10	%	
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Cylinder Zone 1 Temp.	180 to 240	°C	
Cylinder Zone 2 Temp.	180 to 240	°C	
Cylinder Zone 3 Temp.	180 to 240	°C	
Cylinder Zone 4 Temp.	180 to 240	°C	
Cylinder Zone 5 Temp.	180 to 240	°C	
Melt Temperature	200 to 220	°C	
Die Temperature	200 to 220	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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