

Retpol® PDR 7380/2 UV3

Polypropylene

PolyPacific Pty. Ltd.

Message:

Epalex PDR 7380/2 UV3 is a thermoplastic rubber modified polypropylene compound. It is a low flow injection moulding grade developed for excellent impact strength to -40°C and below. The higher level of rubber modification provides for parts with greater flexibility and a lower surface hardness. It has been stabilized against degradation from continuous outdoor exposure.

General Information			
Additive	Rubber		
	UV Stabilizer		
Features	Good Flexibility		
	Good Impact Resistance		
	Low Flow		
	Low Hardness		
Uses	Automotive Applications		
Forms	Granules		
Processing Method	Injection Molding		
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)	4.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.70 to 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	57		
Shore D, 15 sec, 3.00 mm	47		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.00 mm)	10.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.00 mm)	500	%	ASTM D638
Flexural Modulus (3.00 mm)	520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, 3.00 mm	No Break		
0°C, 3.00 mm	No Break		
23°C, 3.00 mm	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	65.0	°C	ASTM D648

CLTE - Flow (-30 to 30°C, 3.00 mm)	1.0E-4	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Regrind	10	%	
Processing (Melt) Temp	200 to 260	°C	
Mold Temperature	20.0 to 60.0	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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