

# Retpol® 9010 HS

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	Heat Stabilizer		
	Rubber		
Features	Good Flexibility		
	Good Impact Resistance		
	Heat Stabilized		
	Low Flow		
	Low Hardness		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 1.9	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	27.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	170	%	ASTM D638
Flexural Modulus	1220	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		

3.00 mm	V-2		
Glow Wire Flammability Index (3.00 mm)	960	°C	AS/NZS 60695.2.12
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 110	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Regrind	5	%	
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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