

# Retpol® PDR 7386/3 UV3

Polypropylene

PolyPacific Pty. Ltd.

## Message:

Epalex PDR 7386/3 UV3 is a thermoplastic rubber modified polypropylene compound. It is a medium to high flow injection moulding grade developed for maximum flexibility, low surface hardness, excellent low temperature impact strength and good tear strength. It is stabilized for continuous outdoor exposure.

General Information			
Additive	Rubber UV Stabilizer		
Features	Good Flexibility Good Tear Strength High Impact Resistance Low Hardness Low Temperature Impact Resistance Medium Flow		
Uses	Automotive Applications		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.888	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.30 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	37		
Shore D, 15 sec, 3.00 mm	29		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (3.00 mm)	7.00	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.00 mm)	450	%	ASTM D638
Flexural Modulus (3.00 mm)	230	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)	40.0	°C	ASTM D648
CLTE - Flow (-30 to 30°C, 3.00 mm)	1.0E-4	cm/cm/°C	ASTM D696
<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>	
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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**Recommended distributors for this material**

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