

Retpol® 7025/4 UV3

Polypropylene
PolyPacific Pty. Ltd.

Message:

EPALEX 7025/4 UV3 is a thermoplastic rubber modified mineral filled polypropylene compound. It is a medium flow injection moulding grade developed for high impact strength whilst maintaining good rigidity at high ambient temperatures. It is stabilized for continuous outdoor exposure.

General Information			
Filler / Reinforcement	Mineral		
Additive	Rubber		
	UV Stabilizer		
Features	Good Stiffness		
	High Impact Resistance		
	Medium Flow		
Uses	Automotive Applications		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.80 to 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.00 mm)	75		ASTM D785
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	73		
Shore D, 15 sec, 3.00 mm	63		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.00 mm)	23.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.00 mm)	70	%	ASTM D638
Flexural Modulus (3.00 mm)	2610	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.00 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	119	°C	ASTM D648
CLTE - Flow (-30 to 30°C, 3.00 mm)	7.0E-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-Fast	

NOTE		
1.	50 mm/min	
2.	50 mm/min	

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