

Retpol® 7555 HS UV2

Polypropylene

PolyPacific Pty. Ltd.

Message:

Epalex 7555 HS UV2 is a thermoplastic rubber modified mineral filled polypropylene compound. It is a high flow injection moulding grade developed for high impact strength at sub-zero temperatures whilst maintaining good rigidity at high ambient temperatures. It is stabilized to meet automotive heat ageing and interior UV requirements. It is a highly scratch resistant grade.

General Information			
Filler / Reinforcement	Mineral		
Additive	Heat Stabilizer		
	Rubber		
Features	Good Stiffness		
	Heat Stabilized		
	High Flow		
	High Impact Resistance		
	High Scratch Resistance		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Automotive Interior Trim		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.60 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	67		
Shore D, 15 sec, 3.00 mm	57		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.00 mm)	20.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.00 mm)	100	%	ASTM D638
Flexural Modulus (3.00 mm)	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

-20°C, 3.00 mm	90	J/m	
0°C, 3.00 mm	260	J/m	
23°C, 3.00 mm	520	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	115	°C	ASTM D648
CLTE - Flow (-30 to 30°C, 3.00 mm)	6.0E-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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

