

Retpol® 7856 HS UV2

Polypropylene

PolyPacific Pty. Ltd.

Message:

Seblex 7856 HS UV2 is a calcium carbonate filled thermoplastic styrenic rubber modified polypropylene compound which has been oil extended. It is a high flow injection moulding grade. It is also quite shear thinning and has good mould filling capability. It has been developed for flexibility and low surface hardness to give it "soft-feel" characteristics and stabilized for automotive heat ageing and weathering requirements.

General Information			
Filler / Reinforcement	Calcium Carbonate		
Additive	Heat Stabilizer		
	Rubber		
	UV Stabilizer		
Features	Good Flexibility		
	Good Moldability		
	Heat Stabilized		
	High Flow		
	Low Hardness		
Uses	Automotive Applications		
	Overmolding		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.968	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 2.00 mm	88		
Shore A, 5 sec, 2.00 mm	84		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ASTM D412
100% Strain, 2.00 mm	4.20	MPa	
300% Strain, 2.00 mm	5.40	MPa	
Tensile Strength ² (Break, 2.00 mm)	9.00	MPa	ASTM D412
Tensile Elongation ³ (Break, 2.00 mm)	500	%	ASTM D412
Tear Strength ⁴ (2.00 mm)	40.0	kN/m	ASTM D624
Injection	Nominal Value	Unit	

Drying Temperature	60.0	°C
Drying Time	1.0 to 2.0	hr
Suggested Max Regrind	10	%
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	15.0 to 50.0	°C
Injection Rate	Fast	

NOTE

- | | |
|----|-------------------|
| 1. | 500 mm/min |
| 2. | 500 mm/min |
| 3. | 500 mm/min |
| 4. | Die C, 500 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

