

Retpol® RC 14/4 HS UV2

Polypropylene Copolymer

PolyPacific Pty. Ltd.

Message:

Polycomp RC 14/4 HS UV2 is a high flow, unfilled polypropylene copolymer. It has been developed for applications requiring transparency and good impact strength. It has been stabilised to meet automotive heat ageing and interior weathering requirements.

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Copolymer		
	Good Impact Resistance		
	Heat Stabilized		
	High Flow		
Uses	Automotive Applications		
Appearance	Clear/Transparent		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.4 to 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.00 mm)	71		ASTM D785
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	72		
Shore D, 15 sec, 3.00 mm	60		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.00 mm)	23.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.00 mm)	500	%	ASTM D638
Flexural Modulus (3.00 mm)	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.00 mm)	91	J/m	ASTM D256
Unnotched Izod Impact (3.00 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	80.0	°C	ASTM D648
CLTE - Flow (-30 to 30°C, 3.00 mm)	1.0E-4	cm/cm/°C	ASTM D696

Injection	Nominal Value	Unit
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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