

# Retpol® CD 10 HS UV3

Polypropylene Copolymer

PolyPacific Pty. Ltd.

## Message:

POLYCOMP CD 10 HS UV3 is an unfilled polypropylene copolymer compound. It has been developed for rigid mouldings requiring good impact resistance along with the low SG of an unfilled material. It has been stabilized to meet automotive heat aging requirements and for continual exposure to UV radiation.

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Copolymer		
	Good Impact Resistance		
	Heat Stabilized		
	Low Density		
Uses	Automotive Applications		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.5 to 1.9	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.00 mm)	70		ASTM D785
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	71		
Shore D, 15 sec, 3.00 mm	60		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (3.00 mm)	20.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.00 mm)	250	%	ASTM D638
Flexural Modulus (6.00 mm)	1020	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.00 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (6.00 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	110	°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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#### Recommended distributors for this material

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