

Retpol® CA 24 HS UV2 AS

Polypropylene Copolymer

PolyPacific Pty. Ltd.

Message:

POLYCOMP CA 24 HS UV2 AS is an unfilled high flow polypropylene copolymer compound. It is particularly suited to mouldings with relatively long flow lengths or thin walled sections. It has been heat and light stabilized to meet automotive interior requirements.

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Copolymer		
	Heat Stabilized		
	High Flow		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Thin-walled Parts		
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)	23	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.4 to 1.9	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.00 mm)	82		ASTM D785
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	71		
Shore D, 15 sec, 3.00 mm	61		
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)	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.00 mm)	72	J/m	ASTM D256
Unnotched Izod Impact (3.00 mm)	1500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	101	°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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