

Polycomp® PDR CB 08

Polypropylene Copolymer

PolyPacific Pty. Ltd.

Message:

POLYCOMP PDR CB 08 is a medium to high flow, high crystalline unfilled polypropylene copolymer. It has been developed for applications requiring increased rigidity and good impact strength while maintaining the good surface appearance and low SG of an unfilled material.

General Information			
Features	Copolymer		
	Good Impact Resistance		
	Good Stiffness		
	Good Surface Finish		
	Highly Crystalline		
	Low Density		
	Medium Flow		
RoHS Compliance	RoHS Compliant		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.908	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	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)	104		ASTM D785
Durometer Hardness			ASTM D2240
Shore D, 3.00 mm	76		
Shore D, 15 sec, 3.00 mm	68		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.00 mm)	32.0	MPa	ASTM D638
Tensile Elongation ² (Break, 3.00 mm)	150	%	ASTM D638
Flexural Modulus (3.00 mm)	1610	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.00 mm)	76	J/m	ASTM D256
Unnotched Izod Impact (3.00 mm)	1200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.00 mm)	127	°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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