

INNOPOL® PP CS 2-8302

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-8302 is an elastomer modified compound based on polypropylene block-copolymer. This grade is available in nature and custom coloured form.

INNOPOL® CS 2-8302 is developed for extrusion of sheets, profiles and for blow moulding of different bottles.

General Information			
Features	Block Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Profiles		
	Sheet		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
Resin ID (ISO 1043)	PP/PE		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	850	MPa	ISO 527-2/1
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	20	%	ISO 527-2/50
Flexural Modulus ¹	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	30	kJ/m ²	
23°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Suggested Max Moisture	0.70	%
Cylinder Zone 1 Temp.	180 to 220	°C
Cylinder Zone 2 Temp.	180 to 220	°C
Cylinder Zone 3 Temp.	180 to 220	°C
Cylinder Zone 4 Temp.	180 to 220	°C
Cylinder Zone 5 Temp.	180 to 220	°C
Melt Temperature	200 to 230	°C
Die Temperature	190 to 220	°C
NOTE		

1. 2.0 mm/min

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