

INNOPOL® PP CS 3-3120

Compounded Polypropylene

Inno-Comp Ltd.

Message:

INNOPOL® CS 3-3120 is a 20 % talcum filled polypropylene compound. This grade is available in nature and custom coloured form.

Recommended application

INNOPOL® CS 3-3120 is recommended for producing injection moulded products where the required property is high strength besides good stiffness.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Rigid, good		
	High strength		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP TD20		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m ²	ISO 179/1eA
23°C	3.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	125	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.070	%	
Rear Temperature	210 - 240	°C	
Middle Temperature	210 - 240	°C	

Front Temperature	210 - 240	°C
Processing (Melt) Temp	230 - 250	°C
Mold Temperature	15.0 - 50.0	°C
Injection Rate	Moderate	

Injection instructions

Hold pressure: 50 - 100 % of maximum injection pressure

NOTE

1. 2.0 mm/min

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Recommended distributors for this material

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