

INNOPOL® PP CS 2-3110 TO BU

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-3110 TO BU is a 10% talc-filled, black coloured and UV-stabilized compound based on polypropylene block-copolymer.

INNOPOL® CS 2-3110 TO BU is developed for producing injection moulded automotive components, where the required properties are the good stiffness and excellent impact resistance.

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Additive	UV stabilizer		
Features	Block Copolymer		
	Good UV resistance		
Uses	Application in Automobile Field		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP/PE TD 10		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.970	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2/1
Tensile Stress (Yield)	22.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.0	%	ISO 527-2/50
Flexural Modulus ¹	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.0	kJ/m ²	ISO 179/1eA
23°C	35	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	98.0	°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	190 - 250	°C
Middle Temperature	190 - 250	°C
Front Temperature	190 - 250	°C
Processing (Melt) Temp	210 - 260	°C
Mold Temperature	10.0 - 50.0	°C
Injection Rate	Moderate	

Injection instructions

Hold pressure: 30 to 100 % of actual injection pressure

NOTE

1. 2.0 mm/min

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