

INNOPOL® PP CS 2-3120 BPLU 9H0017

Polypropylene Copolymer

Inno-Comp Ltd.

Message:

INNOPOL® CS 2-3120 BPLU 9H0017 is a 20% talcum filled, UV stabilised compound based on polypropylene block-copolymer.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	UV stabilizer		
Features	Block Copolymer		
Uses	Application in Automobile Field		
Appearance	Black		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PP/PE 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)	13	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	0.80	%	ISO 294-4
Flow direction	1.0	%	ISO 294-4
Ash Content (600°C)	20	%	ISO 3451-1A
Automotive Materials (> 1.00 mm)	+		FMVSS 302
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2530	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.5	%	ISO 527-2/50
Nominal Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus ¹	2740	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.5	kJ/m ²	ISO 179/1eA
23°C	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	25	kJ/m ²	ISO 179/1eU
23°C	65	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	125	°C	ISO 75-2/B

1.8 MPa, not annealed	62.0	°C	ISO 75-2/A
Melting Temperature	165	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
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	20.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			
Hold Pressure: as low as possible - to avoid sink marks			
NOTE			
1.	2.0 mm/min		

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