

4PROP® 5C1622.5

Polypropylene Copolymer
4Plas

Message:

4PROP 5C1622.5 is a MFI 6 2.5% Carbon Black Copolymer Polypropylene

General Information			
Additive	Carbon black (3%)		
Features	Copolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1000	MPa	ISO 527-2/5
Tensile Stress			ISO 527-2/5
Yield, 23°C	25.0	MPa	ISO 527-2/5
Fracture, 23°C	20.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	50	%	ISO 527-2/5
Fracture, 23°C	45	%	ISO 527-2/5
Flexural Modulus ¹ (23°C)	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	5.0	kJ/m ²	ISO 180/1A
23°C	12	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	50.0	°C	ISO 75-2/B
Vicat Softening Temperature	67.0	°C	ISO 306/B
Melting Temperature ²	165	°C	ISO 11357
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 50.0	°C	
Injection Rate	Moderate		
Holding Pressure	40.0 - 80.0	MPa	
Screw Speed	200	rpm	

Injection instructions

Feed Throat Temperature: 20 - 60 °C Back Pressure: Low

NOTE

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| 1. | 2.0 mm/min |
| 2. | 10 K/min |

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