

4PROP® 5C20800

Polypropylene Copolymer
4Plas

Message:

4PROP 5C20800 is a MFI 15 to 24 Recycled Copolymer Polypropylene

General Information			
Features	Copolymer		
	Recyclable materials		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Apparent Density	0.50 - 0.60	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	15 - 25	g/10 min	ISO 1133
Density-Annealed	905	kg/m³	ISO 1872
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1300	MPa	ISO 527-2/5
Tensile Stress			ISO 527-2/5
Yield, 23°C	24.0	MPa	ISO 527-2/5
Fracture, 23°C	28.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	50	%	ISO 527-2/5
Flexural Modulus ¹ (23°C)	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	7.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0	°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-Fast		
Holding Pressure	40.0 - 80.0	MPa	
Screw Speed	400	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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