

4PROP® 5C10800

Polypropylene Copolymer
4Plas

Message:

4PROP 5C10800 is a MFI 10 to 15 Recycled Copolymer Polypropylene

General Information			
Features	Copolymer		
	Recyclable materials		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.908	g/cm ³	ISO 1183
Apparent Density	0.53 - 0.58	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	12	g/10 min	ISO 1133
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.020	%	ISO 62
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	22.0	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 ² (23°C)	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	4.0	kJ/m ²	ISO 180/1A
23°C	8.0	kJ/m ²	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 ³	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		
1.	24 Hrs	
2.	2.0 mm/min	
3.	10 K/min	

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Recommended distributors for this material

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