

4PROP® 5C14300

Polypropylene Copolymer
4Plas

Message:
4PROP 5C14300 is a Recycled MFI 8 to 10 High Impact Copolymer Polypropylene

General Information			
Features	Copolymer		
	Impact resistance, high		
	Recyclable materials		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.908	g/cm³	ISO 1183
Apparent Density	0.55	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	8.0	g/10 min	ISO 1133
Density-Annealed	908	kg/m³	ISO 1872
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1200	MPa	ISO 527-2/5
Tensile Stress			ISO 527-2/5
Yield, 23°C	25.0	MPa	ISO 527-2/5
Fracture, 23°C	15.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	90	%	ISO 527-2/5
Flexural Modulus ¹ (23°C)	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	5.0	kJ/m²	ISO 180/1A
23°C	20	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	65.0	°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		
1.	2.0 mm/min	
2.	10 K/min	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

