

SLOVALEN® PH 91 N

Polypropylene

Plastcom

Message:

Modified homopolymer PP for injection moulding. General use in all industry branches - packing material, garden flowerpots, toys, furniture industry, hinges, fasteners, clamps, office chairs, hangers etc. Delivered in natural mode and in the full RALL colour scale.

General Information			
Features	Homopolymer		
Uses	Fasteners		
	Furniture		
	Living Hinges		
	Packaging		
	Toys		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.9	%	
Flow	1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	150	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/B
Melting Temperature (DSC)	160	°C	ISO 3146

Injection	Nominal Value	Unit
Processing (Melt) Temp	200 to 250	°C
Mold Temperature	30.0 to 50.0	°C
Injection Pressure	60.0 to 70.0	MPa

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Recommended distributors for this material

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