SLOVALEN® PH 82 T 20

Polypropylene

Plastcom

Message:

Modified homopolymer PP for injection moulding with the content of 20% mineral filling. Increased rigidity, strength and thermal use up to 130°C depending on the talc conte nt. Decreased shrinkage. General application in all industry branches - packing material, garden flower-pots, toys, furniture industry, dowels, clamps, hinge, office chairs, hangers, covers of car chassis, fenders, motors etc. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	General Purpose Heat Stabilized Homopolymer		
Uses	Furniture General Purpose 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	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain (Yield)	19	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	43.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	1.5	kJ/m²	
23°C	3.0	kJ/m²	

Charpy Unnotched Impact Strength			ISO 179
-20°C	14	kJ/m²	
23°C	35	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	125	°C	ISO 75-2/B
Vicat Softening Temperature	157	°C	ISO 306/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Pressure	70.0 to 120	MPa	

Recommended distributors for this material

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