

4PROP® 25C21105 UV

Polypropylene Copolymer
4Plas

Message:

4PROP 25C21105 UV is a MFI 15 05% Talc Filled UV Stabilised Copolymer Polypropylene

General Information			
Filler / Reinforcement	Talc filler, 5.0% filler by weight		
Additive	UV stabilizer		
Features	Copolymer		
	Good UV resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2000	MPa	ISO 527-2/5
Tensile Stress (Yield, 23°C)	28.0	MPa	ISO 527-2/5
Tensile Strain (Yield, 23°C)	5.5	%	ISO 527-2/5
Flexural Modulus ¹ (23°C)	2000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.0	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Melting Temperature ²	165	°C	ISO 11357
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 50.0	°C	
Injection Rate	Moderate		
Holding Pressure	40.0 - 80.0	MPa	
Screw Speed	200	rpm	
Injection instructions			
Feed Throat Temperature: 20 - 60 °CBack Pressure: Low			
NOTE			

1.	2.0 mm/min
2.	10 K/min

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