4PROP® 25C21120

Polypropylene Copolymer

4Plas

Message:

4PROP 25C21120 is a MFI 15 20% Talc Filled Copolymer Polypropylene

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Copolymer		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.04	g/cm³	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			ISO 527-2/5
Yield, 23°C	30.0	MPa	ISO 527-2/5
Fracture, 23°C	23.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	5.5	%	ISO 527-2/5
Fracture, 23°C	14	%	ISO 527-2/5
Flexural Modulus [1] (23°C)	2.30	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	0.30	kJ/m²	ISO 179/1eA
23°C	0.50	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	4.0	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	120	°C	ISO 75-2/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		
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

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