

SABIC® PPcompound 19T1030

Polypropylene
SABIC Innovative Plastics

Message:

SABIC® PPCOMPOUND 19T1030 is a general purpose, talc filled, heat stabilized homopolymer polypropylene compound. This compound exhibits high flow and is suitable for injection molding applications. The IMDS ID is 278628419.

General Information			
Filler / Reinforcement	Talc		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Flow		
	Homopolymer		
Uses	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 23°C, 48 hr	1.3	%	
Flow : 23°C, 48 hr	0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4750		

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁶			
0.45 MPa, Unannealed	131	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	157	°C	ISO 306/A50
Coefficient of Linear Thermal Expansion			ISO 11359-2
Flow : -30 to 100°C	58.0	µm/Mk	
Transverse : -30 to 100°C	125	µm/Mk	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	190 to 230	°C	
Middle Temperature	200 to 250	°C	
Front Temperature	210 to 270	°C	
Nozzle Temperature	210 to 270	°C	
Processing (Melt) Temp	210 to 270	°C	
Mold Temperature	15.0 to 60.0	°C	
Back Pressure	1.00 to 1.50	MPa	
NOTE			
1.	2.0 mm/min		
2.	80*10*4mm, Cut		
3.	80*10*4 mm, Cut		
4.	80*10*4mm, Cut		
5.	2		