

Ravago Compounds PP-5342-9000

Polypropylene Homopolymer

Ravago Manufacturing Americas, LLC

Message:

PP-5342-9000 is black 20% Talc reinforced polypropylene compound designed for injection molding applications. The product is formulated to offer excellent heat stability. This product is suitable for applications such as appliance and automotive parts.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Homopolymer		
	Thermal stability, good		
Uses	Electrical appliances		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05 - 1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14 - 16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	> 32.1	MPa	ASTM D638
Flexural Modulus - Tangent ¹ (23°C)	> 2340	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	> 21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	> 110	°C	ASTM D648
1.8 MPa, not annealed	> 67.8	°C	ASTM D648
Thermal stability-1000 hours (150°C)	Pass		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 93.3	°C	
Drying Time	0.0 - 8.0	hr	
Rear Temperature	193 - 238	°C	
Middle Temperature	193 - 238	°C	
Front Temperature	193 - 238	°C	
Nozzle Temperature	193 - 238	°C	
Mold Temperature	26.7 - 60.0	°C	
Back Pressure	0.00 - 0.689	MPa	

Screw Speed	50 - 150	rpm
Injection instructions		
Hot Runner Temperature (if applicable): 420 to 450°F		
NOTE		
1.	1.3 mm/min	

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