

Ravago Compounds PP-5343

Polypropylene Homopolymer

Ravago Manufacturing Americas, LLC

Message:

Key Features:

Polypropylene Homopolymer

30% Talc filled

Excellent heat stability

Designed for Injection molded appliance and automotive applications

Good balance of processability and physical properties

Colors:

PP-5343-0000 - Natural

PP-5343-9000 - Black

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Features	Homopolymer		
	Workability, good		
	Thermal stability, good		
Uses	Electrical appliances		
	Application in Automobile Field		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13 - 1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 - 18	g/10 min	ASTM D1238
Carbon Black Content ¹	0.80 - 1.2	%	ASTM D1603
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	> 21.0	MPa	ASTM D638
Flexural Modulus - Tangent (23°C)	> 1930	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	> 40	J/m	ASTM D256A
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	> 73.3	°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. PP-5343-9000 only

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