

Ravago Compounds PP-4344-0000

Polypropylene Homopolymer

Ravago Manufacturing Americas, LLC

Message:

PP-4344 is a 40% Talc reinforced, polypropylene homopolymer. This product is specifically formulated for injection-molded applications. PP-4344 offers a good combination of processability and excellent strength properties. Due to the reinforcement, this product has an off-white color. PP-4344 can be colored using pigment concentrates designed for filled compounds. PP-4344 has a UL 94 Rating of HB and an RTI of 65°C. (UL file E141240).

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	High strength		
	Homopolymer		
	Workability, good		
UL File Number	E141240		
Appearance	White-like		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0 - 12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.6	MPa	ASTM D638
Flexural Modulus - Tangent (23°C)	3620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	139	°C	ASTM D648
1.8 MPa, not annealed	90.0	°C	ASTM D648
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI	65.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		UL 94
3.00 mm	HB		UL 94
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

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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

