

Ravago Compounds PP-3582

Polypropylene Homopolymer

Ravago Manufacturing Americas, LLC

Message:

Key Features:

Polypropylene Homopolymer

20% Talc Filled

UL Recognition listing, E141242 - UL-94 V0

Designed for Injection molded applications

Good balance of processability and physical properties

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Medium impact resistance		
	Flame retardancy		
UL File Number	E141240		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	24.1	MPa	ASTM D638
Flexural Modulus - Tangent (23°C)	2070	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	116	°C	ASTM D648
1.8 MPa, not annealed	68.3	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.57 mm	V-0		UL 94
3.18 mm	V-0		UL 94
2.49 mm	5VA		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 93.3	°C	
Drying Time	0.0 - 8.0	hr	
Rear Temperature	177 - 216	°C	
Middle Temperature	177 - 216	°C	

Front Temperature	171 - 216	°C
Nozzle Temperature	182 - 216	°C
Processing (Melt) Temp	< 260	°C
Mold Temperature	26.7 - 60.0	°C
Back Pressure	0.00 - 0.689	MPa
Screw Speed	50 - 150	rpm

Injection instructions

Hot Runner (if applicable): 380 to 450°F

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