Ravago Compounds PP-4292

Ravago Manufacturing Americas - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

General Information

Product Description

Key Features:

- Polypropylene Impact Copolymer
- UL Recognition listing - UL-94 V2
- Designed for Injection molded applications
- Good balance of processability and physical properties

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• Flame Retardant	• Good Processability	• Impact Copolymer
UL File Number	• E141240		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.948		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 73°F)	3500	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	10	%	ASTM D638
Flexural Modulus - Tangent (73°F)	160000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	1.9	ft·lb/in	ASTM D256
Gardner Impact [2] (73°F)	> 320	in·lb	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Annealed)	283	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	V-2		UL 94
Oxygen Index	28	%	ASTM D2863

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	160 to 200	°F
Drying Time	0.0 to 8.0	hr
Rear Temperature	350 to 420	°F
Middle Temperature	350 to 420	°F
Front Temperature	340 to 420	°F
Nozzle Temperature	360 to 420	°F
Mold Temperature	80 to 140	°F
Back Pressure	0.00 to 100	psi
Screw Speed	50 to 150	rpm

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Injection Notes
Hot Runner: 380 to 450°F

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Geometry GB