

Ravago Compounds HMP-325 (Roto)

Ravago Manufacturing Americas - High Density Polyethylene

Sunday, November 17, 2019

General Information

Product Description

Key Features:

- 35-mesh powder
- Good moldability
- Excellent long term outdoor weatherability (UV8)
- Balance of toughness and rigidity
- Good low temperature impact
- High Stiffness
- Compounded for uniform additive dispersion
- Natural as well as standard, custom or special effect colors available
- Stock colors may be available. See Stock color bulletin
- UL component recognition listing (E141240)
- Also available in pellet form as HM-325

General

Material Status	• Commercial: Active
Availability	• North America
Features	<ul style="list-style-type: none"> • Good Moldability • Good Toughness • Good Weather Resistance • High Rigidity • High Stiffness • Low Temperature Impact Resistance
UL File Number	• E141240
Appearance	<ul style="list-style-type: none"> • Colors Available • Natural Color
Forms	• Powder
Processing Method	• Rotational Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.946	g/cm ³	ASTM D792
Apparent (Bulk) Density ²	0.34	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Rotational Molded)	22.1	MPa	ASTM D638
Tensile Elongation (Break, Rotational Molded)	400	%	ASTM D638
Flexural Modulus - Tangent (Rotational Molded)	896	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength ³ (-40°C, Rotational Molded)	75	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Rotational Molded	67.0	°C	
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, Rotational Molded	44.0	°C	

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Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.5 mm		HB	
3.0 mm		HB	

Additional Information	Nominal Value	Unit	Test Method
Pourability ²	30.0	sec	ASTM D1895

Notes

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

² 35-mesh powder

³ F50