



Ravago Compounds HMP-307M (Roto)

Ravago Manufacturing Americas - Linear Low Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

Key Features:

- 35-mesh powder
- Excellent moldability
- Formulation optimized to aid filled deep and narrow sections
- Excellent long term outdoor weatherability, (UV8)
- Balance of toughness and rigidity
- Excellent low temperature impact
- Excellent environmental stress crack resistance, ESCR
- 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
- Excellent opacity
- UL component recognition listing (E141240)
- Also available in pellet form as HM-307M

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Moldability • Good Toughness	• Good Weather Resistance • High ESCR (Stress Crack Resist.)	• High Rigidity • Low Temperature Impact Resistance
UL File Number	• E141240		
Appearance	• Colors Available	• Natural Color	
Forms	• Powder		
Processing Method	• Rotational Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.932		ASTM D792
Apparent (Bulk) Density ²	0.56	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (190°C/2.16 kg)	6.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, Rotational Molded, F50	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Rotational Molded)	2450	psi	ASTM D638
Tensile Elongation (Break, Rotational Molded)	550	%	ASTM D638
Flexural Modulus - Tangent (Rotational Molded)	80000	psi	ASTM D790
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		
Additional Information	Nominal Value	Unit	Test Method
Pourability ²	30.0	sec	ASTM D1895

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Notes

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

² 35-mesh powder
