

# Ravago Compounds HMP-307M (Roto)

Linear Low Density Polyethylene

Ravago Manufacturing Americas, LLC

Message:

- 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 Information			
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm <sup>3</sup>	ASTM D792
Apparent Density <sup>1</sup>	0.56	g/cm <sup>3</sup>	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Rotational Molded, F50)	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Rotational Molded)	16.9	MPa	ASTM D638
Tensile Elongation (Break, Rotational Molded)	550	%	ASTM D638
Flexural Modulus - Tangent (Rotational Molded)	552	MPa	ASTM D790

Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.52 mm	HB		
3.05 mm	HB		
Additional Information	Nominal Value	Unit	Test Method
Pourability <sup>2</sup>	30.0	sec	ASTM D1895
NOTE			
1.	35-mesh powder		
2.	35-mesh powder		

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#### Recommended distributors for this material

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