

# Ravago Compounds HM-305 (Comp)

Medium Density Polyethylene  
Ravago Manufacturing Americas, LLC

Message:

- Key Features:
- Good moldability
  - 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 available. See Stock color bulletin
  - UL component recognition listing (E141240)
  - Also available in powder form as HMP-305

General Information			
Features	Good Moldability		
	Good Stiffness		
	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	Pellets		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.934	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	17.9	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	400	%	ASTM D638
Flexural Modulus - Tangent (Compression Molded)	862	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed, Compression Molded	64.0	°C
1.8 MPa, Unannealed, Compression Molded	41.0	°C
Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.52 mm	HB	
3.05 mm	HB	

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#### Recommended distributors for this material

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