



Ravago Compounds HM-305 (Comp)

Ravago Manufacturing Americas - Medium Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

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

Material Status	• Commercial: Active
Availability	• North America
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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.936		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, Compression Molded, F50	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	2600	psi	ASTM D638
Tensile Elongation (Break, Compression Molded)	400	%	ASTM D638
Flexural Modulus - Tangent (Compression Molded)	125000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Compression Molded	147	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed, Compression Molded	106	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	HB		
0.12 in	HB		

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Notes

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