

Ravago Compounds HM-325 (Comp)

Ravago Manufacturing Americas - High Density Polyethylene

Sunday, November 17, 2019

General Information

Product Description

Key Features:

- 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 powder form as HMP-325

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Moldability • Good Toughness	• Good Weather Resistance • High Rigidity	• High Stiffness • 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	0.946	g/cm ³	ASTM D792
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, Compression Molded)	22.1	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	400	%	ASTM D638
Flexural Modulus - Tangent (Compression Molded)	931	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed, Compression Molded	66.0	°C	ASTM D648
Deflection Temperature Under Load 1.8 MPa, Unannealed, Compression Molded	42.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating 1.5 mm		HB	UL 94
3.0 mm		HB	

Notes

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