
General Information

Product Description

Key Features:

- Good moldability
- Exceptional long term outdoor weatherability (UV15)
- 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
- UL component recognition listing (E141240)
- Also available in powder form as HMP-305W

General

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

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.934	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (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)	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 0.45 MPa, Unannealed, Compression Molded	64.0	°C	ASTM D648
Deflection Temperature Under Load 1.8 MPa, Unannealed, Compression Molded	41.0	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating 1.5 mm		HB	UL 94
3.0 mm		HB	

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Ravago Compounds HM-305W (Comp)

Ravago Manufacturing Americas - Linear Medium Density Polyethylene

Notes

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