
General Information

Product Description

Key Features:

- 35-mesh powder
 - 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 pellet form as HM-305W
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General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.934	g/cm ³	ASTM D792
Apparent (Bulk) Density ²	0.34	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, Rotational Molded, F50	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Rotational Molded)	19.3	MPa	ASTM D638
Tensile Elongation (Break, Rotational Molded)	400	%	ASTM D638
Flexural Modulus - Tangent (Rotational Molded)	793	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength ³ (-40°C, Rotational Molded)	92	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed, Rotational Molded	63.0	°C	ASTM D648
Deflection Temperature Under Load 1.8 MPa, Unannealed, Rotational Molded	42.0	°C	ASTM D648

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Ravago Compounds HMP-305W (Roto)

Ravago Manufacturing Americas - Linear Medium Density Polyethylene

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.5 mm		HB	
3.0 mm		HB	
Additional Information	Nominal Value	Unit	Test Method
Pourability ²	30.0	sec	ASTM D1895

Notes

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

² 35-mesh powder

³ F50