

# Ravago Compounds HMP-304 (Roto)

Linear Low Density Polyethylene

Ravago Manufacturing Americas, LLC

## Message:

### Key Features:

35-mesh powder

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

Standard, custom or special effect colors available

Excellent opacity available in colors

Standard, custom and natural colors available.

Stock colors may be available. See stock color bulletin

UL component recognition listing (E141240)

Also available in pellet form as HM-304

General Information			
Features	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 Opaque		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.939	g/cm <sup>3</sup>	ASTM D792
Apparent Density <sup>1</sup>	0.56	g/cm <sup>3</sup>	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (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
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Impact Strength <sup>2</sup> (-40°C, Rotational Molded)	92	J	ARM
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Rotational Molded	64.0	°C	
1.8 MPa, Unannealed, Rotational Molded	40.0	°C	
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Burning Rate	26	mm/min	ASTM D635
Flame Rating			UL 94
1.52 mm	HB		
3.05 mm	HB		
<b>Additional Information</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Pourability <sup>3</sup>	30.0	sec	ASTM D1895
<b>NOTE</b>			
1.	35-mesh powder		
2.	F50		
3.	35-mesh powder		

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#### Recommended distributors for this material

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