

# Ravago Compounds HMP-325 (Roto)

High Density Polyethylene

Ravago Manufacturing Americas, LLC

## Message:

### Key Features:

35-mesh powder

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 pellet form as HM-325

General Information			
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	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.946	g/cm <sup>3</sup>	ASTM D792
Apparent Density <sup>1</sup>	0.34	g/cm <sup>3</sup>	ASTM D1895
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, Rotational Molded)	22.1	MPa	ASTM D638
Tensile Elongation (Break, Rotational Molded)	400	%	ASTM D638
Flexural Modulus - Tangent (Rotational Molded)	896	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength <sup>2</sup> (-40°C, Rotational Molded)	75	J	ARM

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Rotational Molded	67.0	°C	
1.8 MPa, Unannealed, Rotational Molded	44.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.52 mm	HB		
3.05 mm	HB		
Additional Information	Nominal Value	Unit	Test Method
Pourability <sup>3</sup>	30.0	sec	ASTM D1895
NOTE			
1.	35-mesh powder		
2.	F50		
3.	35-mesh powder		

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#### Recommended distributors for this material

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