

# AQUATUF® HMP-337 (Roto)

High Density Polyethylene

Ravago Manufacturing Americas, LLC

## Message:

HMP-337 is a high-density polyethylene compound designed for applications like kayaks or boats that require a balance very high stiffness and extreme toughness.

### Key Features:

35-mesh powder

Good moldability

Excellent long term outdoor weatherability (UV15)

Superior balance of toughness and rigidity

Very High Stiffness

Excellent low temperature impact

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

Also available in pellet form as HM-337

General Information			
Features	Good Moldability Good Toughness Good Weather Resistance High Rigidity High Stiffness Low Temperature Impact Resistance		
Appearance	Colors Available Opaque		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.949	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)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus - Tangent (Rotational Molded)	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength <sup>2</sup> (-40°C, Rotational Molded)	81	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed, Rotational Molded	60.0	°C	
1.8 MPa, Unannealed, Rotational Molded	40.0	°C	
<b>Flammability</b>	<b>Nominal Value</b>		<b>Test Method</b>
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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