



# AQUATUF® HMP-337 (Roto)

Ravago Manufacturing Americas - High Density Polyethylene

Wednesday, January 8, 2025

## General Information

### Product Description

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

Material Status	• Commercial: Active		
Availability	• North America		
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		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.951		ASTM D792
Apparent (Bulk) Density <sup>2</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)	150000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength <sup>3</sup> (-40°F, Rotational Molded)	60	ft-lb	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Rotational Molded	140	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed, Rotational Molded	104	°F	ASTM D648

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Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		HB	
0.12 in		HB	
Additional Information	Nominal Value	Unit	Test Method
Pourability <sup>2</sup>	30.0	sec	ASTM D1895

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 35-mesh powder

<sup>3</sup> F50

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