

# AQUATUF® HMP-335 (Roto)

High Density Polyethylene

Ravago Manufacturing Americas, LLC

Message:

HMP-335 is a high-density polyethylene compound designed for applications like kayaks or boats that require a balance high stiffness and extreme toughness.

Key Features:

- 35-mesh powder
- Good moldability
- Excellent long term outdoor weatherability (UV15)
- Superior balance of toughness and rigidity
- 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-335

General Information			
Features	Good Moldability		
	Good Weather Resistance		
	High Stiffness		
	Low Temperature Impact Resistance		
	Ultra High Toughness		
Appearance	Colors Available		
	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.944	g/cm <sup>3</sup>	ASTM D792
Apparent Density <sup>1</sup>	0.38	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
Tensile Strength (Yield, Rotational Molded)	21.4	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)	92	J	ARM
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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