AQUATUF® HMP-334 (Roto)

High Density Polyethylene

Ravago Manufacturing Americas, LLC

Message:

HMP-334 is the 35 mesh powder form of a High Density Polyethylene compound for rotational molding. HMP-334 applications include boats, canoes, kayaks and other water sport applications requiring good strength and toughness.
Key Features:
Available as HMP, 35-mesh powder, or HM, pellets.
Good moldability
Excellent long term outdoor weatherability, UV8
Balance of toughness and rigidity
Good low temperature impact
Improved stiffness
Compounded for uniform additive dispersion
Natural, Standard, custom or special effect colors available
Excellent opacity

General Information			
Features	Good Moldability		
	Good Weather Resistance		
	High Rigidity		
	High Stiffness		
	Low Temperature Impact Resistance		
	Ultra High Toughness		
Appearance	Colors Available		
	Natural Color		
Forms	Powder		
Processing Method	Compression Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.947	g/cm³	ASTM D792
Apparent Density [1]	0.38	g/cm³	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)	22.1	MPa	ASTM D638
Tensile Elongation (Break, Rotational Molded)	> 400	%	ASTM D638
Flexural Modulus - Tangent (Rotational Molded)	1100	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength [2] (-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	62.0	°C	
1.8 MPa, Unannealed, Rotational Molded	50.0	°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 [3]	< 30.0	sec	ASTM D1895
NOTE			
1.	35-mesh powder		
2.	F50		
3.	35-mesh powder		

Recommended distributors for this material

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