

REVOLVE® M-601

Polyethylene

Matrix Polymers

Message:

Revolve M-601 is a Super-Linear rotational moulding grade designed to provide high stiffness without compromising impact properties and toughness which makes the grade ideal for any leisure marine products like kayaks, canoes and boat. The grade is suitable for multi-layer application in combination with any Matrix foam.

General Information			
Features	Good Impact Resistance		
	Good Moldability		
	High Stiffness		
	Ultra High Toughness		
Uses	Marine Applications		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	3.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.4	MPa	ISO 527-2/50
Flexural Modulus ¹	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (-40°C, 3.00 mm)	118	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/A
NOTE			
1.	1.3 mm/min		

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