

REVOLVE® M-638

Polyethylene

Matrix Polymers

Message:

Revolve M-638 is a rotational moulding polyethylene black grade. It has been designed to provide good flow characteristics and medium stiffness without compromising impact properties. It is advisable to use this grade for general purpose applications.

General Information			
Features	General Purpose		
	Good Flow		
	Good Impact Resistance		
	Good Moldability		
	Good Stiffness		
Uses	General Purpose		
Appearance	Black		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	50.0	hr	
100% Igepal	> 1000	hr	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	15.5	MPa	ISO 527-2/50
Flexural Modulus ¹	625	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (-40°C, 3.00 mm)	75.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	44.0	°C	ISO 75-2/A
NOTE			
1.	1.3 mm/min		

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