

# REVOLVE® N-109

Polyethylene  
Matrix Polymers

Message:

Revolve N-109 is a rotational moulding polyethylene general purpose grade. It has been designed to provide wide processing window, good flow characteristics without compromising impact strength.

General Information			
Features	General Purpose		
	Good Flow		
	Good Impact Resistance		
	Good Moldability		
	Good Stiffness		
Uses	General Purpose		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	5.0	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 <sup>1</sup>	645	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (-40°C, 3.00 mm)	90.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	47.0	°C	ISO 75-2/B
NOTE			
1.	1.3 mm/min		

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Recommended distributors for this material

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