

REVOLVE® M-711

Polyethylene

Matrix Polymers

Message:

Revolve M-711 is a rotational moulding polyethylene general purpose grade designed to provide antistatic properties and still maintain wide processing window, excellent mouldability and good impact strength. The grade is suitable for food contact applications.

General Information			
Features	Antistatic		
	Food Contact Acceptable		
	General Purpose		
	Good Impact Resistance		
	Good Moldability		
	Good Processability		
Uses	General Purpose		
Appearance	Black		
	Colors Available		
	Natural Color		
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)	16.8	MPa	ISO 527-2/50
Flexural Modulus ¹	645	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (-40°C, 3.00 mm)	102	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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