

# REVOLVE® M-505

Polyethylene  
Matrix Polymers

Message:

Revolve M-505 is a fully formulated wide specification black, designed for general purpose applications. This product does not contain reclaimed rotomoulded materials.

General Information			
Additive	UV Stabilizer		
Features	Ductile		
	General Purpose		
	Good Impact Resistance		
	Good Moldability		
	Good Surface Finish		
Uses	General Purpose		
Appearance	Black		
Forms	Pellets		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.930 to 0.940	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	4.0 to 8.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	200	hr	
100% Igepal	> 1000	hr	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	14.9	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup>	615	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Low Temperature Impact - ARM (3.00 mm)	72.5	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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