

# REVOLVE® M-748

Polyethylene  
Matrix Polymers

**Message:**  
Revolve M-748 is a rotational moulding hexene polyethylene black grade designed to provide stiffness and mouldability without compromising impact resistance. The grade is suitable for large water and diesel tank applications. The grades carries TÜV and WRAS approvals.

General Information			
Additive	Long Term UV-10 Stabilizer		
Features	Good Impact Resistance		
	Good Moldability		
Uses	Fuel Tanks		
	Tanks		
Agency Ratings	WRAS Unspecified Rating		
Appearance	Black		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	> 470	hr	
100% Igepal	> 1000	hr	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.5	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup>	815	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (-40°C, 3.00 mm)	103	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	47.0	°C	ISO 75-2/A
NOTE			
1.	1.3 mm/min		

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Recommended distributors for this material

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