

# REVOLVE® N-307

High Density Polyethylene

Matrix Polymers

## Message:

Revolve ® N-307 is a high density, low melt index hexene polyethylene resin. It has excellent impact strength and is UV10 stabilised. This grade is especially suitable for large tanks. Additionally this grade carries WRC approval for potable water application.

General Information			
Additive	Long Term UV-10 Stabilizer		
Features	Good Impact Resistance		
	Hexene Comonomer		
	High Hardness		
	High Stiffness		
	Low Flow		
Uses	Tanks		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Granules		
	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)	3.5	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	400	hr	
100% Igepal	> 1000	hr	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.7	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup>	790	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (3.00 mm)	108	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	48.0	°C	ISO 75-2/A
NOTE			
1.	1.3 mm/min		

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