

ROTOLENE S® 95065

High Density Polyethylene
Polimeros Mexicanos s.a. de c.v.

Message:

High Density Polyethylene Copolymer, with U.V. stabilizer.
Colors: Beige & White.
USES: Polyethylene of maximum quality, for manufacture water tanks and other rotomolded parts with the feature that offers excellent opacity allowing the rotomolding of water tanks of a single layer giving a fine finished and uniform texture. The use of opaque materials for the storage of drinking water is highly recommended because delay the growth of algae, bacteria and viruses, so it maintains a high quality of drinking water for longer. This product meet all requirements of the U.S. FDA as specified in 21 C.F.R. 177.1520, covering safe use of polyolefin articles intended for direct food contact.

General Information			
Additive	UV Stabilizer		
Features	Bacteria Resistant		
	Copolymer		
	Food Contact Acceptable		
	Fungus Resistant		
	Good Surface Finish		
	Good UV Resistance		
Uses	Tanks		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Beige		
	White		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.942	g/cm ³	ASTM D1505
Bulk Factor	0.33 to 0.39		ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	100	hr	
100% Igepal	> 1000	hr	
Particle Size - 35 mesh	> 2.00	%	ASTM D1921
Low Temperature Impact (3.18 mm)	200	J/m	ARM
Pourability	1500.00 to 2400.00	g/10 min	ASTM D1895
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	17.9	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus ²	614	MPa	ASTM D790B

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	52.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	Method I (3 point load)		

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Recommended distributors for this material

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