

ROTOLENE® 93050

Linear Medium Density Polyethylene

Polimeros Mexicanos s.a. de c.v.

Message:

Linear Medium Density Polyethylene Copolymer, with U.V. stabilizer.
Colors: Natural & Several Colors
USES: Polyethylene of maximum quality, for manufacture water tanks, containers, excellent for doing foamed internal layer in colors, given high whiteness, with a fine finished in the outer color layer and fine texture.
Resin used as a base of compounds SEVERAL COLORS & ROTOFOAM in WHITE and CRISTALBLUE colors.
This product have to contain all requirements of the U.S. Food and Drugs Administration, covering safe use of polyethylene articles for direct food contact. 21 CFR 177.1520.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good UV Resistance		
Uses	Containers		
	Tanks		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Blue		
	Colors Available		
	White		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Bulk Factor	0.33 to 0.39		ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.2	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal	300	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)	18.6	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus ²	689	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (1.8 MPa, Unannealed)	50.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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WECHAT