

MARPOL® LL6R 802

Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL LL6R 802 is a polyethylene resin designed for rotational applications that require high stiffness, exceptional low temperature impact properties and excellent ESCR performance. This resin is UV stabilized, has a broad processing window and superior whiteness for improved part appearance.

Recommended Applications: Very large tanks, septic and agricultural tanks

General Information			
Additive	UV stabilizer		
Features	UV Stabilized		
	Low density		
	Rigidity, high		
	High ESCR (Stress Cracking Resistance)		
	Low temperature impact resistance		
Uses	Septic tank		
	Agricultural water tank		
	Water tank		
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.942	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	< 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.8	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant	1030	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	62.8	°C	ASTM D648
1.8 MPa, not annealed	42.8	°C	ASTM D648
Melting Temperature	127	°C	

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Recommended distributors for this material

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