LLDPE LL6R 805UV

Linear Low Density Polyethylene

MarPol

Applications

- Playground equipment
- Toys
- Agricultural storage tanks
- Medium tanks
- Drums and chemical storage tanks
- Portable water tanks

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	5	g/10 min	D 1238
Density (g/cm³)	0.935	g/cm³	D 792
Melting Temperature	259	°F	D3418
Tensile Strength at Yield	2700	psi	D882
Elongation at Yield	15	%	D882
Secant Modulus – 1 % Secant	100000	psi	D882
Low Temperature Impact*	45	ft*lb	ARM
Heat Deflection Temperature (at 66psi)	121	°F	D648
Environmental Stress Crack Resistance, 100% Igepal **, F50	>1000	hr	D1693A
Environmental Stress Crack Resistance, 10% Igepal **, F50	300	hr	D1693A

*Tested using 1/8 inch (3.18 mm) specimen at -40°F (-40°C). Slip – no, Antiblock – no, UV stabilizer - yes. Complies with U.S. FDA 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.