Product Data Sheet

PolyCL™ Rotomolding Crosslinkable Polyethylene

Description:

PolyCL™ rotomolding, crosslinkable polyethylene is designed to create a robust finished product suitable for harsh chemical applications, including strong oxidizers. The customer can expect structural integrity, with superior stress cracking resistance and with thermal resistance and UV stabilization.

For specific field applications, the processing characteristics of **PolyCL™** encourage the bonding of resin to create a robust oxidation-resistant chemical storage system.

PolyCL™ is available in natural, black, and white colors.

Properties:

Property	Test Method	Unit	Value
ESCR Condition A, F50	ASTM D1693		
100% Igepal		hr	$F_0 >$ 2,000
10% Igepal		hr	$F_0 >$ 2,000
Density	ASTM D1505	g/cc	0.943-0.946
Tensile Strength at Yield 2.0"/min	ASTM D638	psi	3290
Elongation at Break 2.0"/min	ASTM D638	%	640
Flexural Modulus	ASTM D790	psi	88,700
Impact Strength, -40°C	ARM	ft-lbs	71
Deflection Temperature @ 66 psi	ASTM D648	°F	157

Note: All values measured on rotationally molded samples except ESCR, which was measured on compression molded samples.

Data presented is based upon tests performed on representative samples. Users must make independent assessment of product performance under their given field requirements and conditions. Poly Processing Company does not give permission for product use to cause patent infringement.