

### Rotational Molding

#### Applications

- Large tanks
- Septic tanks
- Agricultural tanks
- Oversized tanks

#### Characteristics

- High stiffness
- Excellent ESCR performance
- Exceptional low temperature impact properties
- Low on UV (Low Package)
- Broad processing window

#### Description

RT4942 is a hexene medium density polyethylene roto molding grade for applications requiring high strength and high stiffness. Films produced from this resin exhibit good tensile and puncture resistance properties.

Property	Value	Unit	Method
Melt Index, MI <sub>2</sub>	4.3	g/10min	D 1238
Density	0.942	g/cm <sup>3</sup>	
Peak Melting Temperature	261	°F	
Tensile Strength at Yield MD/TD	2400/2500	psi	D 882
Tensile Strength at Break MD/TD	7300/5000	psi	D 882
Elongation at Break MD/TD	590/830	%	D 882
Secant Modulus, 1% Secant MD/TD	55000/62000	psi	D 882
Dart Drop Impact	<50	g	D 1709A
Elmendorf Tear Strength MD/TD	20/170	g	D 1922
Puncture Energy	7.0	in-lb	
Haze	3.4	%	D 1003
Gloss (45°)	82		D 2457

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.

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