



**4.0 Melt**  
Very Large Parts  
Extra Rigidity

HIGH DENSITY 4.0 provides structure and rigidity to very large rotomolded parts.

It is UV16 Stabilized and has the best chemical resistance out of all our products.



Colors Available



UV 16 Stabilized

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Information**



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# HIGH DENSITY 4.0

METHOD<sup>2</sup>

VALUE

DENSITY

D1505 Reference  
MA-01 Own Method

0.940 g/cm<sup>3</sup>

MELT INDEX  
@190°C/2.16 kg

ASTM D1238

4.0 g/10 min

FLEXURAL MODULUS<sup>1</sup>  
1% Secant

ASTM D790

128,000 psi  
(883 MPa)

TENSILE STRENGTH AT YIELD<sup>1</sup>  
@ 50mm/min

ASTM D638

3,000 psi  
(20.7 MPa)

ESCR<sup>2</sup> CONDITION A  
10% Igepal 50°F F50

ASTM D1693

>900 hr

LOW TEMPERATURE IMPACT  
@ -40°C<sup>1</sup>

ARM  
1/8" specimen

58 ft/lb  
(78.4 J)

ELONGATION AT BREAK<sup>1</sup>

ASTM D638

300 %

- <sup>1</sup> Rotational Molded
- <sup>2</sup> Test methods may be modified to accommodate conditions or laboratory limitations
- <sup>3</sup> Test equipment upper limit for elongation is 600%

The following are typical properties and are not to be construed as specifications.

Tests were done on natural, unpigmented resin.

User is advised to make its own determination of this product's suitability for its intended use.

Roto Polymers makes no warranty expressed or implied regarding the suitability of this product in application.

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