



**2.0 Melt**  
Oversized  
Products



HIGH DENSITY is meant for Extra Large parts requiring low warpage and excellent Stress Crack Resistance.

It has good color retention and is heat stabilized.



Colors  
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UV12  
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HD	METHOD <sup>2</sup>	VALUE
DENSITY	D1505 Reference MA-01 Own Method	0.942 g/cm <sup>3</sup>
MELT INDEX @190°C/2.16 kg	ASTM D1238	2.0 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	> 1000 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 %

## Natural Resin Complies With The Following Standards



**U.S. FDA** 21CFR 177.1520  
(c) 3.1a



**(EU)** 10/2011 plastic  
intended to contact food

- <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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