



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 12 Stabilized

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Information**



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HD 4.0

METHOD²

VALUE

DENSITY	D1505 Reference MA-01 Own Method	0.940 g/cm ³
MELT INDEX @190°C/2.16 kg	ASTM D1238	4.0 g/10 min
FLEXURAL MODULUS ¹ 1% Secant	ASTM D790	126,100 psi (869.5 MPa)
TENSILE STRENGTH AT YIELD ¹ @ 50mm/min	ASTM D638	2,975 psi (20.5 MPa)
ESCR ² CONDITION A 10% Igepal 50°F F50	ASTM D1693	>900 hr
LOW TEMPERATURE IMPACT @ -40°C ¹	ARM 1/8" specimen	58.5 ft/lb (79.1 J)
ELONGATION AT BREAK ¹	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

- ¹ Rotational Molded
- ² Test methods may be modified to accommodate conditions or laboratory limitations
- ³ 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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