



**7.0 Melt**  
Complex and  
Detailed Parts

HIGH FLOW is ideal for small to medium sized parts requiring a high level of detail.

It provides good impact strength, stress crack resistance, and durability.



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# HIGH FLOW

## METHOD<sup>2</sup>

## VALUE

DENSITY	D1505 Reference MA-01 Own Method	0.935 g/cm <sup>3</sup>
MELT INDEX @190°C/2.16 kg	ASTM D1238	7.0 g/10 min
FLEXURAL MODULUS <sup>1</sup> 1% Secant	ASTM D790	90,500 psi (624 MPa)
TENSILE STRENGTH AT YIELD <sup>1</sup> @ 50mm/min	ASTM D638	2,400 psi (16.5 MPa)
ELONGATION AT BREAK <sup>1</sup>	ASTM D638	> 475 %
LOW TEMPERATURE IMPACT @ -40°C <sup>1</sup>	ARM 1/8" specimen	50 ft/lb (67.6 J)
DEFLECTION TEMPERATURE UNDER LOAD <sup>1</sup> 66 psi (0.45 Mpa) 264 psi (1.8 Mpa)	ASTM D648	121 °F (49.4 °C) 90 °F (32.2 °C)

## 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.

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

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