



3.5 Melt
Large Industrial
Parts

ROTOLENE INDUSTRIAL is designed for large products requiring low warpage.

It provides a smooth finish with great chemical and scratch resistance.



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INDUSTRIAL

METHOD²

VALUE

DENSITY	D1505 Reference MA-01 Own Method	0.938 g/cm ³
MELT INDEX @190°C/2.16 kg	ASTM D1238	3.5 g/10 min
FLEXURAL MODULUS ¹ 1% Secant	ASTM D790	102,000 psi (703 MPa)
TENSILE STRENGTH AT YIELD ¹ @ 50mm/min	ASTM D638	2,615 psi (18 MPa)
ELONGATION AT BREAK ¹	ASTM D638	> 610 %
LOW TEMPERATURE IMPACT @ -40°C ¹	ARM 1/8" specimen	59 ft/lb (79.7 J)
DEFLECTION TEMPERATURE UNDER LOAD ¹ 66 psi (0.45 Mpa) 264 psi (1.8 Mpa)	ASTM D648	141.6 °F (60.9 °C) 93.6 °F (34.2 °C)
ESCR ² CONDITION A 10% Igepal 50°F F50	ASTM D1693	430 hr

- 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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