

Product Data Sheet

ROTOTUF® RT439

Linear Rotomolding Polyethylene

ROTOTUF® RT439 is a high performance, UV stabilized rotomolding resin specifically designed to offer higher stiffness than standard rotomolding resins while retaining impact resistance and ESCR.

This Hexene Copolymer improves overall mechanical properties and offers the molder greater value in their applications. These high-opacity formulations, with superior dispersion of the UV additives and durable pigments, offer excellent weatherability and long term stability.

This grade is ideally suited for outdoor applications that demand higher stiffness and superior esthetic appearance.

NOMINAL PROPERTIES

Density	0.939 g/ml	
Melt Index	4.2 g/10 min	
<i>Tensile (ASTM D-638)</i>		
Yield strength	2690 psi,	18.5 MPa
Elongation	720%	720%
Stress at break	2045 psi	14 MPa
<i>Flexural Modulus (ASTM D-792)</i>		
Young Modulus	109,000psi	751 MPa
1% secant	102,000psi	702 MPa
<i>ARM Impact at -40°C , 0.250"</i>	120 ft.-lbs	163 Joules
<i>ESCR, D1693, 10%Igepal</i>	>1000hrs	>1000hrs
<i>UV-stability</i>	Designed for UV8-UV10; Test underway	

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Colors and availability

Available as Pellets

RT439W White resin

RT439BK Black resin

Available as 35 mesh powder

RT439W-G White resin

RT439BK-G Black resin

Packaged in 20kg bags or 500Kg Gaylord boxes.