



## Hifax DRS715X

### Compounded Polyolefin

#### Product Description

Hifax DRS715X high melt flow, 970 MPa flexural modulus, paintable thermoplastic elastomeric olefin (TEO) resin has an excellent balance of impact, stiffness, processability and paintability. It was designed primarily for painted automotive bumper fascias that require high durability.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	North America
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Good Adhesion, Durable, Good Impact Resistance , Paintable, Good Stiffness
<b>Typical Customer Applications</b>	Automotive Parts, Bumpers

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.90	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	18	g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>			
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	18	MPa
Tensile Strain at Yield	ISO 527-1, -2	7	%
Flexural modulus	ISO 178	970	MPa
<b>Impact</b>			
Notched izod impact strength	ISO 180		
(23 °C)		43	kJ/m <sup>2</sup>
(-40 °C)		7.1	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	87	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	53	°C
CLTE, Flow	ISO 11359-1, -2	10 x 10 <sup>-5</sup>	cm/cm/°C
<i>Note: Determined over a temperature range of -30°C to 100°C. Alternative test method is ASTM E 228-95.</i>			

#### Additional Properties

Note: Mold shrinkage values are determined on laboratory injection molded 100 mm x 150 mm x 3.2 mm plaques and, as such, are not necessarily representative of actual field data. Since, for example, wall thickness, gate type and location, flow length and paint oven temperature affect final part dimensions, it is recommended that you contact your Basell representative before any tools are cut.