



Hifax TRS 784D

Compounded Polyolefin

Product Description

Hifax TRS 784D high melt flow, 950 MPa flexural modulus, natural, reactor grade thermoplastic elastomeric olefin (TEO) resin has an excellent balance of impact, stiffness, paintability, and processability. It is based on material produced from Basell's proprietary Catalloy process.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America
Processing Methods	Injection Molding
Features	Good Colorability, High Flow , High Impact Resistance , Good Moldability , Paintable, Good Processability, High Shrinkage, Good Stiffness

Typical Customer Applications Building and Construction, Other Industrial

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	17	g/10 min
Density (Method A)	ISO 1183	0.89	g/cm ³
Mechanical			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	18	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	8	%
Flexural modulus (23 °C)	ISO 178	950	MPa
Impact			
Notched izod impact strength (23 °C)	ISO 180	46	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	80	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	53	°C

Additional Properties

Multi-axial instrumented impact, energy at max load at -30°C (2.2 m/sec) = 25 J (ductile failure mode).

Notes

Typical properties; not to be construed as specifications.

Further Information

(a) 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.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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Release Date: 29 May 2007