

Hifax TRC 779X

Compounded Polyolefin

Product Description

Hifax TRC 779X high melt flow, 1,700 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed for use in multiple automotive exterior applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Injection Molding
Features	Good Dimensional Stability, Good Flow, Good Impact Resistance , Low Temperature Impact Resistance, Good Moldability , Paintable, Low Shrinkage, High Stiffness
Typical Customer Applications	Bumpers, Exterior Applications

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	25	g/10 min
Density (Method A)	ISO 1183	1.00	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	5	%
Flexural modulus (23 °C)	ISO 178	1700	MPa
Impact			
Notched izod impact strength	ISO 180		
(-40 °C)		6.5	kJ/m ²
(23 °C)		46	kJ/m ²

Additional Information

Mold shrinkage ISO 294-4

Note: Please contact Basell for shrinkage recommendations.

Additional Properties

Multi-axial instrumented impact, energy at max load at -40°C (2.2 m/sec) = 23 J (ductile failure mode).

Notes

Typical properties; not to be construed as specifications.

