Technical Data Sheet

Hifax TRS 123D NAT

Polypropylene Compounds

Product Description

Hifax TRS 123D NAT medium melt flow, 1000 MPa flexural modulus, natural, reactor grade thermoplastic elastomeric olefin (TEO) resin has an excellent balance of impact, stiffness, paintability, and processability that is typically used for all-terrain vehicle (ATV) components. It is based on material produced from LyondellBasell's proprietary Catalloy process.

Application	Body Panels; Exterior Automotive Applications; Sports, Leisure & Toys
Market	Outdoor Equipment
Processing Method	Injection Molding
Attribute	Good Colorability; Good Moldability; Good Processability; Good Stiffness; High Impact Resistance; High Shrinkage; Medium Flow; Paintable

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	17	g/10 min	17	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.89	g/cm³	0.89	g/cm³	ISO 1183-1
Mechanical					
Flexural Modulus, (23 °C)			1000	MPa	ISO 178
Tensile Stress at Yield, (23 °C)			18	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	8	%	8	%	ISO 527-1, -2
Impact					
Gardner Impact, (-30 °C, Geometry GC)	225	in-lbs			ASTM D5420
Multi-axial Impact Strength, (-30 °C, 2.2 m/s, 3.2 mm plaque) Energy at max load (ductile failure mode).			25	J	ASTM D3763
Additional Information					
Mold Shrinkage Please contact LyondellBasell for shrinkage recommendations.					ISO 294-4