

Technical Data Sheet

Hifax TYC1123X BLACK

Polypropylene Compounds

Product Description

Hifax TYC1123X BLACK high melt flow, 1,700 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability.

Application	Bumpers; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good Flow; Good Impact Resistance; Good Moldability; High Stiffness; Low Shrinkage; Low Temperature Impact Resistance; Paintable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ASTM D1238
Density, (23 °C, Method A)	1.00	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1700	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	18	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	200	%	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	45	kJ/m ²	ISO 180
(-30 °C)	5.0	kJ/m ²	ISO 180
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			