Technical Data Sheet

Hifax TYC007P BLK

Polypropylene Compounds

Product Description

Hifax TYC007P BLK very high melt flow, very high flexural modulus, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It is typically used for automotive bumper fascias.

Application	Automotive Parts; Bumpers; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	31	g/10 min	ASTM D1238
Density, (23 °C)	1.05	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C, 2 mm/min)	2100	MPa	ISO 178
Tensile Modulus, (23 °C, 50 mm/min, Chord)	2000	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	20	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	42	kJ/m²	ASTM D256
(-30 °C)	5	kJ/m²	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	63		ISO 2039-2
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	115	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	59	°C	ISO 75A-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			