Technical Data Sheet

Hifax TYC 1168P 207D CHARCOAL

Polypropylene Compounds

Product Description

Hifax TYC 1168P 207D CHARCOAL very high melt flow for easy and fast molding and has low density, which reduces part weight. It has good stiffness and excellent cold temperature impact. It is typically used for mold-in color exterior trim and fascia applications.

Application	Automotive Parts; 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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	35	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.98	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1600	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	18	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	>500	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	54	kJ/m²	ISO 179
(-30 °C)	5.1	kJ/m²	ISO 179
Multi-axial Impact Strength, (-30 °C, 2.2 m/s, 3.2 mm plaque)	22	J	ASTM D3763
Failure Mode Ductile.			
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			