Hifax TYC 1168P

Compounded Polyolefin

Product Description

Hifax TYC 1168P very high melt flow for easy and fast molding and has low density, which reduces part weight and improves paint adhesion. Good stiffness and excellent cold temperature impact. Material is formulated for mold-in color exterior trim and fascia 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	35	g/10 min
Density (Method A)	ISO 1183	0.98	g/cm³
Mechanical			
Tensile Stress at Yield (23°C)	ISO 527-1, -2	18	MPa
Flexural modulus (23 °C)	ISO 178	1600	MPa
Tensile Elongation at Break (23°C)	ISO 8986-2	>500	%
Impact			
Charpy notched impact strength	ISO 179		
(-30°C)		5.1	kJ/m²
(23°C)		54	kJ/m²
Multiaxial Impact Strength	ASTM D3763		
(-40°C, 2.2 m/s)		24	J
Note: Failure Mode Ductile			
(-30°C, 2.2 m/s)		22	J
Note: Failure Mode Ductile			
Additional Information			
Mold shrinkage	ISO 294-4		
Note: Please contact LyondellBasell for shrinkage recommendations.			

Notes

Typical properties; not to be construed as specifications.