

Hifax TYC 1168X

Polyolefin
LyondellBasell Industries

Message:

Hifax TYC 1168X 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 fully painted exterior trim and fascia applications.

General Information			
Features	Fast Molding Cycle		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Moldability		
	High Flow		
	High Stiffness		
	Low Density		
	Low Shrinkage		
	Low Temperature Impact Resistance		
	Paintable		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	18.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 500	%	ISO 8986-2
Flexural Modulus (23°C)	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.1	kJ/m ²	
23°C	54	kJ/m ²	
Instrumented Dart Impact ¹			ASTM D3763
-40°C, Ductile Failure	24.0	J	
-30°C, Ductile Failure	22.0	J	
NOTE			
1.	0.0367 m/sec		

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