

Hifax CA 7378 A

Advanced Polyolefin

Product Description

Hifax CA 7378 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology. It is suitable for injection molding controlled shrinkage applications (e.g. automotive exterior or interior).

Hifax CA 7378 A exhibits high melt flow rate with good impact/stiffness balance and reduced shrinkage.

The grade is available in natural pellet form.

For regulatory compliance information see Hifax CA 7378 A Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS), which can be found on www.polymers.lyondellbasell.com.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Extrusion Compounding, Injection Molding
Features	High Flow , Good Impact Resistance , Good Stiffness
Typical Customer Applications	Automotive Parts, Exterior Applications, Polymer modifier

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.90	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	13	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	21	MPa
Tensile Strain at Break	ISO 527-1, -2	> 500	%
Tensile Strain at Yield	ISO 527-1, -2	8	%
Flexural modulus	ISO 178	1200	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C)		37	kJ/m ²
(-40)		5,5	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
CLTE, Flow (23°C to 80°C)	ISO 11359-1, -2	10 x 10E-5	cm/cm/°C

Additional Properties

Shrinkage (internal test method): MD 0.9% TD 1.0%

Notes

Typical properties; not to be construed as specifications.

