Hifax CA 7271 A

Advanced Polyolefin

Product Description

Hifax CA 7271 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.
It is designed for injection molding controlled shrinkage applications (e.g. bumpers).
Hifax CA 7271 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 7271 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	Good Dimensional Stability, High Flow , Good Impact Resistance , Medium Rigidity , Low Shrinkage
Typical Customer Applications	Bumpers, Exterior Applications, Polymer modifier

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.90	g/cm³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	11	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	15	MPa
Tensile Strain at Break	ISO 527-1, -2	> 500	%
Flexural modulus	ISO 178	800	MPa
Impact			
Notched izod impact strength (- 20 °C)	ISO 180	> 15	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	68	°C

Additional Properties

Shrinkage (internal method): MD 0.4% TD 0.7%

Notes

Typical properties; not to be construed as specifications.