



Hifax CA 1133 A

Advanced Polyolefin

Product Description

Hifax CA 1133 A, is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology. It is used for injection molding. Hifax CA1133 A is in particular suitable for high impact strength applications, even at low temperature. The product is characterised both by medium rigidity and a very good processability as well as and excellent paintability. The grade is available in natural pellet form. For regulatory compliance information see Hifax CA 1133 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
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Extrusion Compounding, Injection Molding
Features	High Impact Resistance, Low Temperature Impact Resistance, Paintable, Good Processability, Medium Rigidity
Typical Customer Applications	Exterior Applications, Impact modification

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.89	g/cm ³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	16	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	17	MPa
Tensile Strain at Break	ISO 527-1, -2	> 200	%
Flexural modulus	ISO 178	850	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C, Type 1, Notch A)		No Break	
(- 20 °C, Type 1, Notch A)		9	kJ/m ²
(-40 °C, Type 1, Notch A)		7	kJ/m ²
Hardness			
Shore hardness (Shore D)	ISO 868	54	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	60	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	122	°C

Notes

Typical properties; not to be construed as specifications.