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/cm³
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/m²
(-40 °C, Type 1, Notch A)		7	kJ/m²
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.