



Hifax CA 138 A

Advanced Polyolefin

Product Description

Hifax CA 138 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology. This grade is suitable for use in compounds as impact modifier, to give excellent processability whilst maintaining optimum mechanical properties.

The grade is available in natural pellet form.

For regulatory compliance information see *Hifax* CA 138 A Product Stewardship Bulletin (PSB).

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, Good Moldability , Good Processability
Typical Customer Applications	Exterior Applications, Impact modification

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.88	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	2.8	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	12	MPa
Tensile Stress at Yield	ISO 527-1, -2	10	MPa
Tensile Strain at Break	ISO 527-1, -2	350	%
Tensile Strain at Yield	ISO 527-1, -2	17	%
Flexural modulus	ISO 178	400	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	No Break	kJ/m²
(- 40°C, Type 1, Notch A)		80	
Hardness			
Shore hardness (Shore D) Note: 15 seconds	ISO 868	41	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	55	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	90	°C
Melting temperature Note: ISO 11357-3	DSC	161	°C

Notes

Typical properties; not to be construed as specifications.