Hifax CA 212 A

Advanced Polyolefin

Product Description

Hifax CA 212 A is a reactor TPO (thermoplastic polyolefin) manufactured using the LyondellBasell's proprietary *Catalloy* process technology.
It has been developed for industrial applications where a combination of good processability and excellent softness is required.
The grade is available in natural pellet form.
For regulatory compliance information see *Hifax* CA 212 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, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Extrusion Compounding, Extrusion Flat-die, Calandering
Features	Ductile, Good Flexibility, High Flow , Low Hardness , High Impact Resistance , Low Temperature Impact Resistance, Good Processability, Soft
Typical Customer Applications	Building and Construction, Film, Sealants, Single Ply Roofing, TPO Foils and Skins, Wire & Cable

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	8	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	6	MPa
Tensile Strain at Break	ISO 527-1, -2	> 500	%
Flexural modulus	ISO 178	80	MPa
Impact			
Notched izod impact strength	ISO 180		
(- 20 °C, Type 1, Notch A)		No Break	
(- 40°C, Type 1, Notch A)		> 40	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	30	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	40	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	56	°C
Melting temperature	DSC	142	°C
Note: ISO 11357-3			

Notes

Typical properties; not to be construed as specifications.