



Hifax CA 60 A

Advanced Polyolefin

Product Description

Hifax CA 60 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. Due to the high fluidity Hifax CA 60 A shows high compatibility to fillers and to flame retardant additives as well as to other polyolefins. The grade is available in natural pellet form.

For regulatory compliance information see Hifax CA 60 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, Latin America |
| Processing Methods | Extrusion Compounding, Extrusion Flat-die, Calendering, Extrusion Coating, Extrusion Pipe Sheet and Semi Finished Products, Injection Molding |
| Features | Ductile, Good Flexibility, High Flow , Low Hardness , High Impact Resistance , Good Processability, Soft |
| Typical Customer Applications | Exterior Applications, Industrial, Panels & Profiles, Polymer modifier, Single Ply Roofing, TPO Skins |

| Typical Properties | Method | Value | Unit |
|---|---------------|-------|-------------------|
| Physical | | | |
| Density (Method A) | ISO 1183 | 0.88 | g/cm ³ |
| Melt flow rate (MFR) (230°C/2.16kg) | ISO 1133 | 14 | 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 (- 20 °C, Type 1, Notch A) | ISO 180 | 80 | kJ/m ² |
| 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 |
| <i>Note: ISO 11357-3</i> | | | |

Notes

Typical properties; not to be construed as specifications.