# *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, Calandering, 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/cm³ |
| 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/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.