



## Hifax CA 1110 A2

### Compounded Polyolefin

#### Product Description

"Hifax" CA 1110 A2 is a high melt flow, 10% mineral filled, non UV stabilised high impact polypropylene copolymer for painted applications. The grade has been specifically designed for moulding large complex parts that require high impact strength as well as good stiffness. This product has very good aesthetics and is designed for outdoor application. This grade is available in black, pellet form.

#### Product Characteristics

|                                      |                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Status</b>                        | Commercial: Active                                                                                            |
| <b>Test Method used</b>              | ISO                                                                                                           |
| <b>Availability</b>                  | Europe, North America, Latin America                                                                          |
| <b>Features</b>                      | Pleasing Surface Appearance, Impact Copolymer, High Impact Resistance , Paintable, Good Stiffness , Non Toxic |
| <b>Typical Customer Applications</b> | Exterior Applications, Bumpers                                                                                |

| Typical Properties                                  | Method        | Value Unit             |
|-----------------------------------------------------|---------------|------------------------|
| <b>Physical</b>                                     |               |                        |
| Density (Method A)                                  | ISO 1183      | 0.98 g/cm <sup>3</sup> |
| Melt flow rate (MFR) (230°C/2.16kg)                 | ISO 1133      | 16 g/10 min            |
| <b>Mechanical</b>                                   |               |                        |
| Tensile Stress at Yield                             | ISO 527-1, -2 | 18 MPa                 |
| Flexural modulus                                    | ISO 178       | 1150 MPa               |
| <b>Impact</b>                                       |               |                        |
| Notched izod impact strength                        | ISO 180       |                        |
| (23 °C, Type 1, Notch A)                            |               | 45 kJ/m <sup>2</sup>   |
| (-20 °C, Type 1, Notch A)                           |               | 5.5 kJ/m <sup>2</sup>  |
| (-30 °C, Type 1, Notch A)                           |               | 4.7 kJ/m <sup>2</sup>  |
| <b>Thermal</b>                                      |               |                        |
| Heat deflection temperature B (0.45 MPa) Unannealed | ISO 75B-1, -2 | 73 °C                  |
| Vicat softening temperature (A50 (50°C/h 10N))      | ISO 306       | 118 °C                 |

#### Notes

Typical properties; not to be construed as specifications.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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