



## Hostacom X M2 U35

### Compounded Polyolefin

#### Product Description

20% mineral filled PP - Copolymer, good stiffness toughness balance and UV resistant. Good scratch resistance used for automotive interior.

#### Product Characteristics

|                                      |                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------|
| <b>Status</b>                        | Commercial: Active                                                                |
| <b>Test Method used</b>              | ISO                                                                               |
| <b>Availability</b>                  | Europe                                                                            |
| <b>Features</b>                      | Copolymer, Scratch Resistant, Good Stiffness , Good Toughness, Good UV Resistance |
| <b>Typical Customer Applications</b> | Interior Applications                                                             |

| Typical Properties                                         | Method        | Value Unit                  |
|------------------------------------------------------------|---------------|-----------------------------|
| <b>Physical</b>                                            |               |                             |
| Density                                                    | ISO 1183      | 1.04 g/cm <sup>3</sup>      |
| Melt flow rate (MFR)                                       | ISO 1133      |                             |
| (230°C/5.0kg)                                              |               | 67 g/10 min                 |
| (230°C/2.16Kg)                                             |               | 16 g/10 min                 |
| Melt volume flow rate                                      | ISO 1133      |                             |
| (230°C/2.16Kg)                                             |               | 18.0 cm <sup>3</sup> /10min |
| (230°C/5.0kg)                                              |               | 78.0 cm <sup>3</sup> /10min |
| <b>Mechanical</b>                                          |               |                             |
| Tensile Modulus (Secant)                                   | ISO 527-1, -2 | 2150 MPa                    |
| Tensile Stress at Yield (50 mm/min)                        | ISO 527-1, -2 | 25.0 MPa                    |
| Tensile Strain at Yield (50 mm/min)                        | ISO 527-1, -2 | 4.0 %                       |
| Flexural modulus (Secant)                                  | ISO 178       | 2100 MPa                    |
| <b>Impact</b>                                              |               |                             |
| Charpy unnotched impact strength (23 °C, Type 1, Edgewise) | ISO 179       | 95.0 kJ/m <sup>2</sup>      |
| Charpy notched impact strength                             | ISO 179       |                             |
| (0 °C, Type 1, Edgewise, Notch A)                          |               | 7.00 kJ/m <sup>2</sup>      |
| (23 °C, Type 1, Edgewise, Notch A)                         |               | 4.00 kJ/m <sup>2</sup>      |
| <b>Hardness</b>                                            |               |                             |
| Ball indentation hardness (H 358/30)                       | ISO 2039-1    | 66.0 MPa                    |
| <b>Thermal</b>                                             |               |                             |
| Heat deflection temperature B (0.45 MPa) Unannealed        | ISO 75B-1, -2 | 100 °C                      |
| Heat deflection temperature A (1.80 MPa) Unannealed        | ISO 75A-1, -2 | 56.0 °C                     |

#### Additional Properties

Mould Shrinkage, Basell Test Method: 0.9 to 1.1 %

#### 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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