



## Hostacom M2 U02

### Compounded Polyolefin

#### Product Description

"Hostacom" M2 U02 is a 20% mineral filled PP homopolymer with high stiffness, low warpage. Used for air conditioning units. It is not intended for medical, pharmaceutical or drinking water applications.

#### Product Characteristics

|                                      |                                                            |
|--------------------------------------|------------------------------------------------------------|
| <b>Status</b>                        | Commercial: Active                                         |
| <b>Test Method used</b>              | ISO                                                        |
| <b>Availability</b>                  | Europe                                                     |
| <b>Features</b>                      | Homopolymer, Good Stiffness , Low Warpage                  |
| <b>Typical Customer Applications</b> | Automotive Parts, Under-the-Hood & Structural Applications |

| Typical Properties                                                | Method        | Value Unit                  |
|-------------------------------------------------------------------|---------------|-----------------------------|
| <b>Physical</b>                                                   |               |                             |
| Density                                                           | ISO 1183      | 1.04 g/cm <sup>3</sup>      |
| Melt flow rate (MFR) (230°C/2.16Kg)                               | ISO 1133      | 11 g/10 min                 |
| Melt volume flow rate (230°C/2.16Kg)                              | ISO 1133      | 12.5 cm <sup>3</sup> /10min |
| <b>Mechanical</b>                                                 |               |                             |
| Tensile Modulus (Secant)                                          | ISO 527-1, -2 | 2600 MPa                    |
| Tensile Stress at Yield (50 mm/min)                               | ISO 527-1, -2 | 34 MPa                      |
| Tensile Strain at Yield (50 mm/min)                               | ISO 527-1, -2 | 6.0 %                       |
| Flexural modulus (Secant)                                         | ISO 178       | 2900 MPa                    |
| Flexural Stress (3.5 %)                                           | ISO 178       | 47 MPa                      |
| <b>Impact</b>                                                     |               |                             |
| Charpy unnotched impact strength (23 °C, Type 1, Edgewise)        | ISO 179       | 45 kJ/m <sup>2</sup>        |
| Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A) | ISO 179       | 4.0 kJ/m <sup>2</sup>       |
| <b>Hardness</b>                                                   |               |                             |
| Ball indentation hardness (H 358/30)                              | ISO 2039-1    | 95 MPa                      |
| <b>Thermal</b>                                                    |               |                             |
| Heat deflection temperature B (0.45 MPa) Unannealed               | ISO 75B-1, -2 | 120 °C                      |
| Heat deflection temperature A (1.80 MPa) Unannealed               | ISO 75A-1, -2 | 70 °C                       |
| Vicat softening temperature (B50 (50°C/h 50N))                    | ISO 306       | 95 °C                       |
| (A50 (50°C/h 10N))                                                |               | 153 °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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