



## Hostacom M4 N01 L201218

### Compounded Polyolefin

#### Product Description

"Hostacom" M4 N01 L201218 is a 40% mineral filled PP homopolymer, detergent resistance. The product is designed for injection molding of washing machine parts and is available in Whirlpool "global white" / color code 90201. UL listing in white and grey. 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>Processing Method</b>             | Injection Molding                                                    |
| <b>Features</b>                      | Detergent Resistant, Low Flow , Medium Heat Resistance , Homopolymer |
| <b>Typical Customer Applications</b> | White Goods                                                          |

| Typical Properties                                                   | Method        | Value Unit   |
|----------------------------------------------------------------------|---------------|--------------|
| Physical                                                             |               |              |
| Density                                                              | ISO 1183      | 1.21 g/cm³   |
| Melt flow rate (MFR) (230°C/5.0kg)                                   | ISO 1133      | 11 g/10 min  |
| Melt volume flow rate (230°C/5.0kg)                                  | ISO 1133      | 11 cm³/10min |
| Mechanical                                                           |               |              |
| Tensile Modulus (Secant)                                             | ISO 527-1, -2 | 3600 MPa     |
| Note: No statistacal data available                                  |               |              |
| Tensile Stress at Yield (50 mm/min)                                  | ISO 527-1, -2 | 32 MPa       |
| Tensile Strain at Break (50 mm/min)                                  | ISO 527-1, -2 | >4 %         |
| Tensile Strain at Yield (50 mm/min)                                  | ISO 527-1, -2 | 4 %          |
| Flexural modulus (Secant)                                            | ISO 178       | 3900 MPa     |
| Flexural Stress (3.5 %)                                              | ISO 178       | 50 MPa       |
| Impact                                                               |               |              |
| Charpy unnotched impact strength<br>(0 °C, Type 1, Edgewise)         | ISO 179       | 15 kJ/m²     |
| (23 °C, Type 1, Edgewise)                                            |               | 28 kJ/m²     |
| Charpy notched impact strength<br>(23 °C, Type 1, Edgewise, Notch A) | ISO 179       | 2.8 kJ/m²    |
| (-20 °C, Type 1, Edgewise, Notch A)                                  |               | 1.5 kJ/m²    |
| Hardness                                                             |               |              |
| Ball indentation hardness (H 358/30)                                 | ISO 2039-1    | 90 MPa       |
| Thermal                                                              |               |              |
| Heat deflection temperature A (1.80 MPa)<br>Unannealed               | ISO 75A-1, -2 | 75 °C        |
| Flammable                                                            |               |              |
| Flame rating - UL (1.0; 1.5; 3.0 mm, GY, WT)                         | UL 94         | HB           |
| UL 746                                                               |               |              |
| Relative temperature index Mech w/oImp (1.0; 1.5; 3.0 mm)            | UL 746        | 65 °C        |
| Relative temperature index Mech w/Imp (1.0; 1.5; 3.0 mm)             | UL 746        | 65 °C        |
| Relative temperature index (1.0; 1.5; 3.0 mm)                        | UL 746        | 65 °C        |

#### Notes

Typical properties; not to be construed as specifications.

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- ┆ Equistar Chemicals, LP
- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
- ┆ Basell International Trading FZE
- ┆ LyondellBasell Australia Pty Ltd

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

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