

# Mafill® CR HT 4344 H

Polypropylene  
Industrial Quality Compound

## Description:

PP homopolymer, 20% talcum filled, heat and copper stabilized.

## General

|                   |          |      |                   |
|-------------------|----------|------|-------------------|
| MFI (230°/2,16kg) | ISO 1133 | 11   | g/10min           |
| Density           | ISO 1183 | 1,07 | g/cm <sup>3</sup> |

## Thermal

|                                   |         |    |    |
|-----------------------------------|---------|----|----|
| HDT/A (1,82MPa)                   | ISO 75A | 68 | °C |
| Vicat softening point (B50 (50N)) | ISO 306 | 95 | °C |

## Mechanical

|                                       |         |      |                   |
|---------------------------------------|---------|------|-------------------|
| Izod notched impact strength (-30 °C) | ISO 180 | 2,0  | kJ/m <sup>2</sup> |
| Tensile strength at yield (23 °C)     | ISO 527 | 34   | MPa               |
| Tensile strength at break (23 °C)     | ISO 527 | 27   | MPa               |
| Elongation at break (23 °C)           | ISO 527 | 10   | %                 |
| Flexural modulus (23 °C)              | ISO 178 | 2400 | MPa               |

## Flammability

|                                       |                          |      |        |
|---------------------------------------|--------------------------|------|--------|
| Flammability (1,6mm)                  | UL94 (tested internally) | HB   |        |
| Flammability (3,2mm)                  | UL94 (tested internally) | HB   |        |
| Burning rate (FMVSS 302)              | ISO 3795                 | <100 | mm/min |
| Glow wire flammability index (2,0 mm) | IEC 60695-2-12           | 650  | °C     |

## Various

|                               |                 |         |        |
|-------------------------------|-----------------|---------|--------|
| Surface resistivity           | IEC 60093       | 10E13   | Ohm    |
| Volume resistivity            | IEC 60093       | 10E14   | Ohm.cm |
| Dielectric rigidity (Oil 1mm) | IEC 60243-1     | 24      | kV/mm  |
| CTI                           | IEC 60112       | 600     | V      |
| Linear Mould Shrinkage        | internal method | 0,8-1,2 | %      |

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