

## Technical Data Sheet

# HardwearPlus

**Description:** Sheets produced from high impact ABS with increased heat resistance (high heat)

### Mechanical properties:

|   |                   |         | Test Method |
|---|-------------------|---------|-------------|
| Tensile yield strength 50 mm/min          | MPa               | 43      | ISO 527     |
| Tensile elongation at yield 50 mm/min     | %                 | 2,7     | ISO 527     |
| Tensile modulus 1 mm/min                  | MPa               | 2140    | ISO 527     |
| Izod-notched impact strength 23°C / -30°C | kJ/m <sup>2</sup> | 25 / 12 | ISO 180/1A  |
| Ball indentation hardness                 | MPa               | 90      | ISO 2039    |

### Thermal properties:

|   |    |     | Test Method |
|---|----|-----|-------------|
| Vicat softening temperature VST/B/50    | °C | 102 | ISO 306     |
| Heat deflection temp. 1.8 Mpa, annealed | °C | 101 | ISO 75-1    |

### Flammibility:

|  |          |    | Test Method |
|--|----------|----|-------------|
| UL94 rating at 1.6 mm thickness                                  | class    | HB | UL 94       |
| Horizontal burning speed, 2 mm thickness for uncoloured products | mm / min | 55 | ISO 3795    |

### Other properties:

|                  |                   |      | Test Method |
|------------------|-------------------|------|-------------|
| Density at 23 °C | g/cm <sup>3</sup> | 1,05 | ISO 1183    |

**Note:** The above information is given in good faith, but no warranty, express or implied, is given.

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