

**Gryfilen<sup>®</sup>**  
POLYPROPYLENE

**H20-AS**  
HOMOPOLYMER

**DESCRIPTION**

Gryfilen<sup>®</sup> H20-AS is a polypropylene homopolymer designed for the injection molding process.

Gryfilen<sup>®</sup> H20-AS contains antistatic agent provides short cycles, good mold release in the injection molding process and low dust pick-up.

Gryfilen<sup>®</sup> H20-AS is recommended for the production of caps and closures, thick-walled containers and for general purpose goods which needs higher stiffness.

**APPLICATION**

Caps & Closures; Tick-Walled Containers; Household; Kitchen; Toys; Furniture; Sports; Leisure & Garden Items.

**This grade is not intended for medical and pharmaceutical applications.**

**PROCESSING TECHNOLOGY**

Injection Molding.

|   | Value | Unit              | Method        |
|---|-------|-------------------|---------------|
| <b>PHYSICAL PROPERTIES</b>              |       |                   |               |
| Melt Flow Rate (230 °C/2.16 kg)         | 20    | g/10 min          | ISO 1133-1    |
| Density (23 °C)                         | 0.9   | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>MECHANICAL PROPERTIES</b>            |       |                   |               |
| Flexural Modulus                        | 1500  | MPa               | ISO 178       |
| Tensile Strength at Yield               | 37    | MPa               | ISO 527-1, -2 |
| Tensile Elongation at Yield             | 7     | %                 | ISO 527-1, -2 |
| Charpy Impact Strength (notched; 23 °C) | 2.3   | kJ/m <sup>2</sup> | ISO 179       |

**NOTES**

The values have to be considered as to be indicative and do not represent specification values. The use in the indicated applications and processing technologies have to be verified by the converter (fit for purpose).

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The user of the product shall read the relevant Material Safety Data Sheet before using the product.

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