

Gryfilen[®]

POLYPROPYLENE

T20-N

HIGH IMPACT COPOLYMER

DESCRIPTION

Gryfilen[®] T004-NHS is nucleated high impact resistance thermoplastic polyolefin dedicated for the extrusion processes.

Gryfilen[®] T004-NHS is characterized by an exceptional impact resistance even at low temperatures, very good impact/stiffness balance and excellent processability.

Gryfilen[®] T004-NHS is recommended for high impact demanding applications as well as building block for automotive and appliance compounding.

APPLICATION

Household; Automotive and Appliances Parts.

This grade is not intended for medical and pharmaceutical applications.

PROCESSING TECHNOLOGY

Pipe; Sheet.

| | Value | Unit | Method |
|---|-------|-------------------|---------------|
| PHYSICAL PROPERTIES | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 20 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 0.9 | g/cm ³ | ISO 1183-1 |
| MECHANICAL PROPERTIES | | | |
| Flexural Modulus | 900 | MPa | ISO 178 |
| Tensile Strength at Yield | 18 | MPa | ISO 527-1, -2 |
| Tensile Elongation at Yield | 5.5 | % | ISO 527-1, -2 |
| Charpy Impact Strength, (notched; 23 °C) | 63 | kJ/m ² | ISO 179 |
| THERMAL PROPERTIES | | | |
| Heat Deflection Temperature B, (0.45 MPa, unannealed) | 70 | °C | ISO 75-1/75-2 |

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).

DISCLAIMER

Before using any product of Grupa Azoty Polyolefins S.A., its user shall independently and at its own risk assess whether the product is suitable for the intended use and ensure whether the product may be used safely and in accordance with applicable law.

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

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