



MEGA RECYCLING
AND COMPOUNDING SERVICES LLC.

Product Data Sheet

MegaRe® HTN GF30-BK

MegaRe® HTN GF30-BK is a reprocessed 30% Glass Reinforced High Temperature Nylon that is heat stabilized. Used primarily for injection molding, this grade of HTN has a high heat deflection temperature, flexural modulus, and exceptionally high tensile strength.

| Property | Test Method | Units | Value |
|--------------------------------|-------------|-------------------|---------------------|
| | | | DAM |
| Mechanical | | | |
| Yield Stress | ISO 527-2 | MPa (psi) | 233 (33,800) |
| Strain @ break | ISO 527-2 | % | 2 |
| Tensile Modulus | ISO 527-2 | MPa (psi) | 12,800 (1.9E+6) |
| Flexural Modulus | ISO 178 | MPa (psi) | 11,800 (1.6E+6) |
| Notched Charpy Impact Strength | ISO 179/1eA | kJ/m ² | |
| -30 °C (-22 °F) | | | 3.5 |
| 23 °C (73 °F) | | | 8.5 |
| Thermal | | | |
| Heat Deflection Temperature | ISO 75-2/A | °C (°F) | 270 (550) |
| 1.8 Mpa (264 psi) | | | |
| Melting Point | ISO 11357-3 | °C (°F) | 310 (600) |
| Physical | | | |
| Specific Gravity | ISO 1183 | g/cm ³ | 1.46 |
| Molding Shrinkage | ISO 294-4 | % | .5 –to-.9 |
| Processing | | | |
| Melt Temperature Range | | °C (°F) | 300-325 (585 – 610) |
| Mold Temperature Range | | °C (°F) | 125-145 (250-280) |
| Processing Moisture Content | | % | <0.20 |
| Drying Temp | | °C (°F) | 120-C (250-F) |
| | | 4-hours | 4-hours |

Mechanical Properties measured at 23° C

Contact Mega Recycling for MSDS, general processing guidelines and/or additional information about verification, Handling, purging, drying, etc

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