

EcoPaXX[®] Q–HGM24

PA410–(GF+MD)30

10% Glass Reinforced, 20% Mineral Reinforced, Heat Stabilized

Print Date: 2024–04–16

Sustainability

Bio-based

| PROPERTIES | TYPICAL DATA | UNIT | TEST METHOD |
|--|--------------|------------|--------------|
| RHEOLOGICAL PROPERTIES | | DRY / COND | |
| Molding shrinkage (parallel) | 0.65 / * | % | ISO 294–4 |
| Molding shrinkage (normal) | 1.1 / * | % | ISO 294–4 |
| MECHANICAL PROPERTIES | | DRY / COND | |
| Tensile modulus | 7300 / 6000 | MPa | ISO 527–1/–2 |
| Stress at break | 100 / 65 | MPa | ISO 527–1/–2 |
| Strain at break | 2.6 / 3.6 | % | ISO 527–1/–2 |
| Tensile modulus (120°C) | 2500 / – | MPa | ISO 527–1/–2 |
| Stress at break (120°C) | 45 / – | MPa | ISO 527–1/–2 |
| Strain at break (120°C) | 6.3 / – | % | ISO 527–1/–2 |
| Tensile modulus (160°C) | 2000 | MPa | ISO 527–1/–2 |
| Stress at break (160°C) | 35 | MPa | ISO 527–1/–2 |
| Strain at break (160°C) | 8.2 | % | ISO 527–1/–2 |
| Charpy impact strength (+23°C) | 35 / 40 | kJ/m² | ISO 179/1eU |
| Charpy impact strength (–30°C) | 30 / – | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 4 / 5.3 | kJ/m² | ISO 179/1eA |
| Charpy notched impact strength (–30°C) | 4 / – | kJ/m² | ISO 179/1eA |
| Flexural modulus | 6650 / 4400 | MPa | ISO 178 |
| Flexural strength | 175 / 115 | MPa | ISO 178 |

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| PROPERTIES | TYPICAL DATA | UNIT | TEST METHOD |
|---|--------------|-------|----------------|
| THERMAL PROPERTIES | | | |
| | DRY / COND | | |
| Melting temperature (10°C/min) | 250 / * | °C | ISO 11357–1/–3 |
| Temp. of deflection under load (1.80 MPa) | 200 / * | °C | ISO 75–1/–2 |
| Temp. of deflection under load (0.45 MPa) | 235 / * | °C | ISO 75–1/–2 |
| OTHER PROPERTIES | | | |
| | DRY / COND | | |
| Humidity absorption | 1.5 / * | % | Sim. to ISO 62 |
| Density | 1340 / – | kg/m³ | ISO 1183 |

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