

TECHNICAL DATA SHEET

ROMILOY[®] 5240 GF20

ROMIRA

ASA/PBT, injection moulding grade, 20% glass fibre reinforced, high dimensional stability, high surface quality

| PROPERTY | Test Method | Condition | Unit | Value* |
|----------|-------------|-----------|------|--------|
|----------|-------------|-----------|------|--------|

MECHANICAL.....

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|----------------------------------|--------------------|--------------------------|-------------------|-------|
| Tensile Modulus | DIN EN ISO 527 | 1 mm/min 23 °C | MPa | 6,600 |
| Tensile Strength | DIN EN ISO 527 | 5 mm/min 23 °C | MPa | 95 |
| Elongation at Break | DIN EN ISO 527 | 5 mm/min 23 °C | % | 6.4 |
| Flexural Modulus | DIN EN ISO 178 | 2 mm/min 23 °C | MPa | 5,600 |
| Flexural Strength | DIN EN ISO 178 | 2 mm/min 23 °C | MPa | 150 |
| Notched Impact Strength (Charpy) | DIN EN ISO 179/1eA | 80 x 10 x 4 mm 23 °C | kJ/m ² | 6.5 |
| Notched Impact Strength (Charpy) | DIN EN ISO 179/1eA | 80 x 10 x 4 mm -30 °C | kJ/m ² | 5.5 |
| Impact Strength (Charpy) | DIN EN ISO 179/1eU | 80 x 10 x 4 mm 23 °C | kJ/m ² | 45 |
| Impact Strength (Charpy) | DIN EN ISO 179/1eU | 80 x 10 x 4 mm -30 °C | kJ/m ² | 42 |

PHYSICAL.....

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|------------------|-----------------|-------------------------|-------------------|------|
| Density | DIN EN ISO 1183 | 23 °C, 50 % RH | g/cm ³ | 1.38 |
| Water Absorption | DIN EN ISO 62 | 23 °C, 50 % RH, 24 h | % | - |

THERMAL.....

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|-------------------------------------|------------------|---------------|----------|-----------|
| Heat deflection temperature (HDT/A) | DIN EN ISO 75-1 | 1,8 MPa | °C | - |
| Vicat Softening Temperature (B 50) | DIN EN ISO 306 | 50 N, 50 °C/h | °C | 158 |
| Melt Mass-Flow Rate (MFR) | DIN EN ISO 1133 | 260 °C, 5 kg | g/10 min | 38 |
| Processing Shrinkage | DIN EN ISO 294-4 | 23 °C | % | 0.3 - 0.6 |
| Flammability (own test) | UL94 | 1.5 mm | -- | HB |