



DATA SHEET

TAROMID B 280 G5 Y0

Polyamide 6 glass fiber reinforced 25%, UL94 V0 self extinguishing halogen free, without phosphorous, good flow, high electrical and mechanical properties, good dimensional stability.

Available: all colours, heat stabilised (H), release agent (W).

| | | | |
|--------------------|----------------------------|---------------------------|-------------|
| | DRYING - conditions | Melt temperature: | 240 - 270°C |
| Pre-heater: | 80 - 100°C - 3 h | Mould temperature: | 80 - 110°C |
| Dryer: | 80 - 90°C - 1 h | Rate of injection: | MEDIUM |

| PROPERTY | METHOD | DIN | ISO | ASTM | unit | VALUE | condition |
|--|-------------|------|------|------|-------------------|------------------|-------------------|
| ELECTRICAL | | | | | | | |
| Tracking Resistance (CTI - Method A) | IEC 112 | | | | Volt | 600 | |
| PHYSICAL | | | | | | | |
| Reinforcing Charges | | | | D258 | % | 25 | 850°C - 1 h |
| Granule Humidity | TARO 002 | | | | % | <0,10 | |
| Density (23 °C) | | 5347 | R118 | D792 | Mg/m ³ | 1,37-1,39 | |
| Water Absorption (24h / 23°C) | | 5349 | R62 | D570 | % | 1,5 | |
| Water Absorption at Saturation | | 5349 | R62 | D570 | % | 7,0 | |
| Mould Shrinkage (Parallel) | | | | D955 | % | 0,30-0,40 | |
| Mould Shrinkage (Normal) | | | | D955 | % | 0,40-0,80 | |
| Melting Point | | | R121 | D211 | °C | 222 | |
| MECHANICAL | | | | | | | |
| IZOD Notched Impact | | - | 180 | D256 | J/m | 80 | +23°C - 3,2 mm |
| CHARPY Notched Impact | | 5345 | R179 | D256 | kJ/m ² | 7,4 | +23°C - 6x4x50 mm |
| CHARPY Unnotched Impact | | 5345 | R179 | D256 | kJ/m ² | 34 | +23°C - 6x4x50 mm |
| Tensile Modulus | | 5345 | R527 | D638 | N/mm ² | 8400 | |
| Flexural Modulus | | 5345 | R178 | D790 | N/mm ² | 8000 | |
| Elongation at Break | | 5345 | R527 | D638 | % | 2,6 | |
| Flexural Break Strength | | 5345 | R178 | D790 | N/mm ² | 175 | |
| Tensile Break Strength | | 5345 | R527 | D638 | N/mm ² | 125 | |
| FLAMMABILITY | | | | | | | |
| Oxigen index | | | | D286 | % | 30 | |
| Flame Behaviour (3,2 mm) | UL 94 | | | | | V0 | |
| Flame Behaviour (1,6 mm) | UL 94 | | | | | V0 | |
| Glow Wire Test (2 mm) | IEC 695-2-1 | | | | °C | 960 | |
| THERMAL | | | | | | | |
| VICAT Temperature (5 kg) | | 5346 | R306 | D152 | °C | 210 | 50°C / h |
| Heat Deflection Temperature (1,82 N/mm ²) | | 5346 | R75 | D648 | °C | 205 | 120°C / h |
| Ball Pressure Test | VDE 0470 | | | | °C | 165 | |

These value are for natural color only. Colorant or other additives may alter some or all of these property. The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits nor used alone as the basis of design.