



Technical Data Sheet

PC/ABS IQ PCB

PC/ABS Blend IQ heat resistant grade

| PROPERTIES | NORM | | UNIT | VALUE |
|-------------------------------------|----------------|-------|-------------------|---------|
| | ISO | ASTM | | |
| GENERAL | | | | |
| Density | 1183 | D792 | g/cm ³ | 1.14 |
| Linear mould shrinkage | / | D955 | % | 0.5-0.7 |
| Melt Flow Index 260°C/5Kg | 1133 | D1238 | g/10 min | 20 |
| TERMICHE/ THERMAL | | | | |
| VICAT A50 | 306 | D1525 | °C | 138 |
| VICAT B50 | 306 | D1525 | °C | 130 |
| HDT/A (annealed) | 75 | D648 | °C | 113 |
| Ball pressure test 75°C | IEC 335 | | °C | Pass |
| MECHANICAL | | | | |
| Tensile strength (yield) | 527 | D638 | Mpa | 53 |
| Tensile strength (break) | 527 | D638 | MPa | 45 |
| Elongation at break | 527 | D638 | % | 35 |
| Flexural modulus | 178 | D790 | MPa | 2400 |
| Izod Impact +23°C (notched) | 180/1A | D256 | KJ/m ² | 48 |
| Izod Impact -30°C (notched) | 180/1A | D256 | KJ/m ² | 30 |
| FLAMMABILITY | | | | |
| Flammability 3,2 mm | UL94 | | - | HB |
| Flammability 1.6 mm | UL94 | | - | HB |
| Glow Wire Flammability Index 2,0 mm | IEC 60695-2-12 | | °C | 750 |
| Burning rate 3.2 mm | FMVSS 302 | | mm/min | - |
| ELECTRICAL | | | | |
| Dielectric rigidity (Oil 1mm) | IEC 60243-1 | | KV/mm | - |
| Surface resistivity | IEC 60093 | | Ohm | - |
| Volume resistivity | IEC 60093 | | Ohmxcm | - |
| CTI Comparative Tracking Index | IEC 60112 | | V | - |