

KITAN D FK20 U2

PA12-(GF+GD)20

MAIP SRL

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.7 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Stress at break | 45 | MPa | ISO 527 |
| Strain at break | 10 | % | ISO 527 |
| Flexural modulus, 23°C | 1650 | MPa | ISO 178 |
| Flexural strength | 65 | MPa | ISO 178 |
| Izod notched impact strength, +23°C | 13 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|------------------------------------------|-------|--------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 130 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 150 | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Burning rate, FMVSS, Thickness 1 mm | 100 | mm/min | ISO 3795 (FMVSS 302) |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1150 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 12 | h | - |
| Processing humidity | ≤0.08 | % | - |
| Melt temperature | 240 - 280 | °C | - |
| Mold temperature | 60 - 90 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

U.V. stabilized or stable to weather