

ForTii® U12S

PPA-I

Unreinforced, PA4T, Impact Modified

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| Properties | Typical Data | Unit | Test Method |
|---|--------------|-------------------|-----------------|
| Rheological properties dry / cond | | | |
| Molding shrinkage (parallel) | 1.1 / * | % | ISO 294-4 |
| Molding shrinkage (normal) | 1.9 / * | % | ISO 294-4 |
| Mechanical properties dry / cond | | | |
| Tensile modulus | 2500 / - | MPa | ISO 527-1/-2 |
| Stress at break | 70 / - | MPa | ISO 527-1/-2 |
| Strain at break | 16 / - | % | ISO 527-1/-2 |
| Flexural modulus | 2300 / - | MPa | ISO 178 |
| Flexural strength | 100 / - | MPa | ISO 178 |
| Charpy notched impact strength (+23°C) | 10.5 / - | kJ/m ² | ISO 179/1eA |
| Thermal properties dry / cond | | | |
| Melting temperature (10°C/min) | 325 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 110 / * | °C | ISO 75-1/-2 |
| Burning Behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.75 / * | mm | IEC 60695-11-10 |
| UL recognition | Yes / * | - | - |
| Other properties dry / cond | | | |
| Humidity absorption | 2.4 / * | % | Sim. to ISO 62 |
| Density | 1110 / - | kg/m ³ | ISO 1183 |