

PX223 – SPECIFICATIONS



This material has low viscosity, good impact, and flexural resistance with the added benefit of temperature resistance above 120°C. It is not pigment able and is only available in black. Parts made from this material have mechanical properties that are close to that of thermoplastics.

MECHANICAL PROPERTIES*

@23°C AFTER HARDENING

Hardness ISO 868-85	80 > 65 Shore D/1
Flexural modulus ISO 178-93	2,300 MPa
Flexural strength, Maximum ISO 178-93	80 MPa
Tensile strength ISO 527-96	60 MPa
Elongation at break ISO 527-96	11%
Impact strength, Charpy ISO 179/1D-94	> 60 kJ/m ²

THERMAL AND SPECIFIC PROPERTIES

Glass transition temperature* T.M.A.-Mettler	> 120°C
Coefficient of thermal expansion T.M.A.-Mettler [+15, +120]°C	115x10 ⁻⁶ /K
Linear shrinkage*	4 mm/m
Maximum casting thickness	5-10 mm

*Average values obtained on standardized specimens/Hardening 1hr @70°C + 1hr @100°C+ 12 hrs @110 °C.

APPLICATIONS

Commercial product testing
Functional assembly
Public surveys

Field testing
Visual evaluation
Aesthetic evaluation