

Product Texts

Fortron® FX72T6 is an unreinforced, impact modified PPS with high flowability and high impact resistance suitable for injection molding.

The mechanical properties reported on this data sheet refer to a mold wall temperature of 135°C.

Flammability at thickness h (3 V-0 mm)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	1.3	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	1.3	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	1680	MPa	ISO 527
[C] Stress at break	40	MPa	ISO 527
[C] Strain at break	20	%	ISO 527
[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	100	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	122	°C	ISO 306
[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
[C] Oxygen index	48.5	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
[C] Dissipation factor, 1MHz	3	E-4	IEC 62631-2-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	1180	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified