

Datasheet for COSMO-TK*

*thermoplastic polymer based on Polyester

			COSMO TK 100	COSMO TK 150	COSMO TK 200
Density	ISO 845	Kg / m ³	100	150	200
Compressive strength	ASTM D 1621 b	MPa	1,5	2,6	3,6
E-Modul Pressure	ASTM D 1621 b	MPa	77	180	220
	ISO 844	MPa		105	157
Screw extraction strength on edges	EN320	N	ca. 300	ca. 380	ca. 430
Shear strength	ISO 1922	MPa	0,75	1,4	1,8
Shear module	ISO 1922	MPa	21	45	50
Shear strength	ISO 1922	%	3	10	5
Tensile strength	ASTM C 297	MPa	2,5	3,4	4,4
E-Modul tension	ASTM C 297	MPa	120	190	230
Thermal conductivity	ISO 12667	W/mK	0,034	0,041	0,043
Fire class	EN13501		E	E	E

Tolerance Length/width ± 5 mm Thickness ± 0,5 mm

Possible formats
 TK100 2.500 x 1.000 mm
 TK150 2.150 x 1.000 mm
 TK200 1.500 x 1.000 mm
 2.150 x 1.000 mm
 2.500 x 1.000 mm

Further format on demand!

Possible thickness 5 - 150 mm

Properties

- High structural strength
- screwable
- excellent fatigue
- low mass
- good isolation
- temperature stability up to 150°C short term and 100°C long term
- low moisture pickup due to closed cell structure
- recyclable