

TECADUR PETG

Thermoplastic co-polyester

Properties and applications

- High transparency
- Can be easily thermoformed and vacuum formed
- Very high impact strength
- Chemical resistance: resistance to dilute acids and alkalis, soaps oils, alcohol
- Particularly for use in the advertising industry, exhibition building, signs and in machine construction

TECHNICAL DATA

Property	Test method	Units	Value
Density	ISO 1183	g/cm ³	1,27
Yield Stress	DIN EN ISO 527	MPa	52
Yield strain	DIN EN ISO 527	%	4,5
Tensile strain at break	DIN EN ISO 527	%	80
E-modulus of elasticity in tension	DIN EN ISO 527	MPa	1900
Impact strength	DIN EN ISO 179	kJ/m ²	Without break
Notched impact strength	DIN EN ISO 179	kJ/m ²	10
Ball indentation hardness	DIN EN ISO 2039-1	MPa	97
Shore hardness D	ISO 868		78
Coefficient of linear thermal expansion	DIN 53752	K ⁻¹	7 x 10 ⁻⁵
Thermal conductivity	DIN 52612	W/m x K	
Fire behaviour	DIN 4102		B1
Dielectric strength	VDE 0303 - 21	kV/mm	16
Surface resistance	DIN IEC 60167	Ohm	1016
Temperature range		°C	- 40 to + 65
Physiologically acceptable acc to BgVV ¹ and FDA ² (USA)			Yes

¹ Federal Health Institute for the protection of consumers and veterinary medicine

² Food and Drug Administration

³ DIN 4102-B1 certificate for sheets up to 8 mm thickness

This is general information and should only be used as a guide. It corresponds with our current knowledge and indicates our products and possible applications. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. Existing commercial patents must be observed.