

MATERIAL DATA SHEET PETG

DESCRIPTION

Polyethylene Terephthalate Glycol (PETG) is one of the world's most common thermoplastic polymers.

APPLICATION

PETG is specifically designed to have a large and general scope of application in situations where the main requirement is the balance between mechanical and optical material properties.

STORAGE AND SHELF LIFE

Store at room temperature (18-27°C / 65-80°F), out of direct heat and sunlight, and in a dry place. When stored correctly, this material has a shelf life of 1 year.

PROPERTIES

TEST	METHOD	UNIT	VALUE
Flexural modulus	ISO 527	MPa	3100
Tensile strength	ISO 527	MPa	50
Breaking stress	ISO 527-2	%	4
Breaking stress	ISO 527	Mpa	20
Elongation at break	ISO 527	%	29
E-Modulus	ISO 178	Mpa	2040
Flexural strength	ISO 178	MPa	68,3
MFR	ISO 1133	g/10 min	7
Melting temperature	ISO 3146-C	C°	180-200
VICAT A (VST)	ISO 306	C°	78
Shrinking	ISO 294-4	%	0,5
Density	ASTM D792	g/cm ³	1,3

VISUAL QUALITY	HIGH TEMPERATURE RESISTANCE	LAYER
ADHESION		
7	5	7

IMPACT RESISTANCE	ELONGATION AT BREAK	MAXIMUM
STRESS		
6	6	8

EASE OF PRINTING
7