



SAL PCT-G MG (Poly Cyclohexylenedimethylene Tetrephthalate glycol-modified) (co-polyester - Medical grade)

TYPICAL PROPERTIES OF PCTFE		
UL test	Property	PCT-G MG
PHYSICAL		
	Density (g/cm ³)	1.18
MECHANICAL		
DIN EN ISO 527	Tensile Strength (MPa)	48
DIN EN ISO 527	Tensile Modulus (MPa)	1500
DIN EN ISO 527	Tensile Elongation at Break (%)	181
DIN EN ISO 178	Flexural Strength (MPa)	63
DIN EN ISO 178	Flexural Modulus (MPa)	1420
EN ISO 604	Compressive Strength (MPa) 1%/2%/5%	15/25/50
EN ISO 604	Compressive Modulus (MPa)	1020
DIN EN ISO 179-1eU	Impact strength (Charpy) (kJ/m ²)	Not broken
DIN EN ISO 179-1eA	Charpy Notched Impact test (Charpy) (kJ/m ²)	94
ISO 2039-1	Ball indentation hardness (%)	81
THERMAL		
DIN EN ISO 11357	Glass transition temperature (°C)	108
DIN EN ISO 11359-1;2	Thermal expansion (CLTE) (10 ⁻⁵ /K) (23-100°C, longitudinal)	8
DIN EN ISO 11359-1;2	Thermal expansion (CLTE) (10 ⁻⁵ /K) (23-60°C, longitudinal)	8
UL94	Flammability Rating	V-O
Other properties		
DIN EN ISO 62	Moisture absorption (24h / 96h (23°C)) (%)	0.09/1.74
-	Resistance to hot water/ bases	Poor resistance
-	Resistance to weathering	Poor resistance
UL94	Flammability Rating	HB

All values are attributes of the used raw materials. The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values. The results obtained on these tests specimens cannot be applied to finished parts without reservations, as behavior is influenced by processing and shaping.