

Trade name: **Polyethylene Terephthalate Glycol / PETG**

Data sheet update	05.05.2015
Moulding compound extruded	TP,ET,07-020
Extruded to moulding compound standard	ISO 7792
Density, g/cm ³ , DIN EN ISO 1183	1.27
Tensile modulus of elasticity, MPa, DIN EN ISO 527	1900
Yield stress, MPa, DIN EN ISO 527	52
Elongation at yield, % , DIN EN ISO 527	4,5
Impact strength, KJ/m ² , DIN EN ISO 179	without break
Notched impact strength, kJ/m ² , DIN EN ISO 179	10
Ball indentation hardness, MPa, DIN EN ISO 2039-1	97
Shore hardness D (15 s), DIN EN ISO 868	78
Mean coefficient of linear thermal expansion, K ⁻¹ , ISO 11359-2	0,7 × 10 ⁻⁴
Vicat B, °C , DIN EN ISO 306	77
Fire behaviour DIN 4102	DIN 4102 B1 low flammability 1 to 8 mm, general test certificate issued by an approved building inspectorate (Germany)
Dielectric strength, kV/mm , DIN IEC 60243-1	16
Surface resistivity, Ohm , DIN IEC 60093	10 ¹⁴
Temperature range, °C	-40 to +65
Physiological safety in accordance with BfR (German Federal Institute for risk valuation)	yes
Physiological safety in accordance with FDA	yes
Light transmission, %	90 (3 mm)