



TER Plastics
POLYMER GROUP



Stanyl® TC502

PA46

DSM Engineering Plastics

Product Texts

Thermal conductive material

ISO 1043 PA46

[Stanyl website](#)

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	9000 / -	MPa	ISO 527-1/-2
Stress at break	65 / -	MPa	ISO 527-1/-2
Strain at break	1.1 / -	%	ISO 527-1/-2
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	75 / *	°C	ISO 11357-1/-2
Coeff. of linear therm. expansion, parallel	25 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	35 / *	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Volume resistivity	10000 / -	Ohm*m	IEC 60093
Surface resistivity	* / 1E7	Ohm	IEC 60093
Other properties			
ISO Data			
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1420 / -	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)