

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		Special Characteristics			
Injection Molding		Heat stabilized or stable to heat			
Delivery form					
Pellets					
Other text information					
Injection Molding					
Injection Molding Recommendations					