



Stanyl® TC153		DSM Engineering Plastics	
PA46 FR(17)			
Product Texts			
Thermal conductive material, Flame Retardant, Heat Stabilized			
ISO 1043 PA46 FR(17)			
Mechanical properties		dry / cond	Unit
ISO Data			
Tensile Modulus	12500 / -	MPa	ISO 527-1/-2
Stress at break	55 / -	MPa	ISO 527-1/-2
Strain at break	0.6 / -	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	2 / -	kJ/m ²	ISO 179/1eA
Thermal properties		dry / cond	Unit
ISO Data			
Coeff. of linear therm. expansion, parallel	25 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	25 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Burning behav. 5V at thickness h	5VA / *	class	IEC 60695-11-20
Thickness tested	1.6 / *	mm	IEC 60695-11-20
Electrical properties		dry / cond	Unit
ISO Data			
Volume resistivity	1E13 / -	Ohm*m	IEC 60093
Surface resistivity	* / 1E13	Ohm	IEC 60093
Electric strength	30 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
Other properties		dry / cond	Unit
ISO Data			
Density	1630 / -	kg/m ³	ISO 1183
Characteristics			
Processing		Additives	
Injection Molding		Lubricants	
Delivery form		Special Characteristics	
Pellets		Flame retardant, Heat stabilized or stable to heat	
Other text information			
Injection Molding			
Injection Molding Recommendations			