



Stanyl® TC551	DSM Engineering Plastics					
PA46 FR(17)						
Product Texts						
Thermal conductive material, Flame Retardant						
ISO 1043 PA46 FR(17)						
Stanyl website						
Rheological properties	dry / cond	Unit	Test Standard			
ISO Data						
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577			
Molding shrinkage, normal	1.0 / *	%	ISO 294-4, 2577			
Mechanical properties						
ISO Data						
Tensile Modulus	9100 / -	MPa	ISO 527-1/-2			
Stress at break	50 / -	MPa	ISO 527-1/-2			
Strain at break	0.6 / -	%	ISO 527-1/-2			
Charpy impact strength (+23°C)	2 / -	kJ/m ²	ISO 179/1eU			
Thermal properties						
ISO Data						
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 / *	-	-			
Electrical properties						
ISO Data						
Volume resistivity	10000 / -	Ohm*m	IEC 60093			
Surface resistivity	* / 1E7	Ohm	IEC 60093			
Other properties						
ISO Data						
Density	1470 / -	kg/m ³	ISO 1183			
Characteristics						
Processing	Special Characteristics					
Injection Molding	Flame retardant					
Delivery form						
Pellets						
Other text information						
Injection Molding						
Injection Molding Recommendations						