


Stanyl® TC551

PA46 FR(17)

DSM Engineering Plastics

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

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Pellets

Other text information
Injection Molding
[Injection Molding Recommendations](#)