


**Stanyl® TC154**

PA46 FR(17)

DSM Engineering Plastics

**Product Texts**

Thermal conductive material, Flame Retardant, Heat Stabilized

ISO 1043 PA46 FR(17)

[Stanyl website](#)

Mechanical properties		dry / cond	Unit	Test Standard
ISO Data				
Tensile Modulus		5100 / -	MPa	ISO 527-1/-2
Stress at break		55 / -	MPa	ISO 527-1/-2
Strain at break		2 / -	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)		2 / -	kJ/m²	ISO 179/1eA
Thermal properties		dry / cond	Unit	Test Standard
ISO Data				
Coeff. of linear therm. expansion, parallel		48 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal		48 / *	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	Test Standard
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		225 / -	-	IEC 60112
Other properties		dry / cond	Unit	Test Standard
ISO Data				
Density		1520 / -	kg/m³	ISO 1183
Material specific properties		dry / cond	Unit	Test Standard
ISO Data				
Viscosity number		140 / *	cm³/g	ISO 307, 1157, 1628
Characteristics				
Processing		Additives		
Injection Molding		Release agent		
Delivery form		Special Characteristics		
Granules		Flame retardant, Heat stabilized or stable to heat		
Other text information				
Injection Molding				
<a href="#">Injection Molding Recommendations</a>				