

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/m ²	ISO 179/1eA		
Thermal properties					
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					
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					
ISO Data					
Density	1520 / -	kg/m ³	ISO 1183		
Material specific properties					
ISO Data					
Viscosity number	140 / *	cm ³ /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					
Injection Molding Recommendations					