

Stanyl® TC155

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
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ISO Data

Tensile Modulus	11000 / -	MPa	ISO 527-1/-2
Stress at break	55 / -	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	dry / cond	Unit	Test Standard
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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	Test Standard
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ISO Data

Comparative tracking index	575 / -	-	IEC 60112
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Other properties	dry / cond	Unit	Test Standard
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ISO Data

Density	1630 / -	kg/m ³	ISO 1183
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Characteristics**Processing**

Injection Molding

Additives

Lubricants

Delivery form

Pellets

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

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