

Stanyl® 46HF5145

PA46-GF43 FR

43% Glass Reinforced, Flame Retardant, for E&E applications

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Properties	Typical Data	Unit	Test Method
Rheological properties dry / cond			
Molding shrinkage [parallel]	0.3 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.85 / *	%	Sim. to ISO 294-4
Mechanical properties dry / cond			
Tensile modulus	16000 / -	MPa	ISO 527-1/-2
Stress at break	200 / -	MPa	ISO 527-1/-2
Strain at break	1.7 / -	%	ISO 527-1/-2
Flexural modulus	14000 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	16 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	16 / -	kJ/m ²	ISO 180/1A
Thermal properties dry / cond			
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	280 / *	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	IEC 60695-11-10
Relative Temperature Index - electrical	65	°C	UL746B
RTI electrical (Thickness (1) tested)	3	mm	UL746B
Other properties dry / cond			
Density	1730 / -	kg/m ³	ISO 1183

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