Stanyl®

Stanyl® HFX33S

PA46-GF20 FR(40)

20% Glass Reinforced, High Flow, Halogen free and free of red phosphorous

Print Date: 2019-06-05

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	0.4 / *	%	ISO 294-4
Molding shrinkage (normal)	1.5 / *	%	ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	7700 / -	MPa	ISO 527-1/-2
Stress at break	115 / -	MPa	ISO 527-1/-2
Strain at break	2.7 / -	%	ISO 527-1/-2
Flexural modulus	7000 / -	MPa	ISO 178
Flexural strength	170 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	6.5 / -	kJ/m²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	276 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	284 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	3 / *	mm	IEC 60695-11-10
UL recognition	Yes / *	-	-
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	IEC 60695-11-10
UL recognition	Yes / *	-	-
Electrical properties	dry / cond		

Property Data

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Properties	Typical Data	Unit	Test Method
Electric strength	30 / -	kV/mm	IEC 60243-1
Comparative tracking index	500 / -	V	IEC 60112
Relative permittivity (1GHz)	3.5 / -	-	IEC 60250
Other properties	dry / cond		
Density	1360 / -	kg/m³	ISO 1183