

Stanyl® HFX31SW WT94001

PA46-GF20 FR(40)

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

Print Date: 2019-06-18

Properties	Typical Data	Unit	Test Method
Rheological properties dry / cond			
Molding shrinkage (parallel)	0.3 / *	%	ISO 294-4
Molding shrinkage (normal)	0.9 / *	%	ISO 294-4
Mechanical properties dry / cond			
Tensile modulus	8350 / -	MPa	ISO 527-1/-2
Stress at break	90 / -	MPa	ISO 527-1/-2
Strain at break	1.8 / -	%	ISO 527-1/-2
Flexural modulus	8200 / -	MPa	ISO 178
Flexural strength	115 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	3 / -	kJ/m ²	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)	285 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.2 / *	mm	IEC 60695-11-10
Other properties dry / cond			
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1510 / -	kg/m ³	ISO 1183