

Stanyl[®] HFX50S

PA*—GF30 FR(40)

30% Glass Reinforced, Halogen free and free of red phosphorous

Print Date: 2024–12–10

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294–4
Molding shrinkage (normal)	1.2 / *	%	ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	11500 / –	MPa	ISO 527–1/–2
Stress at break	140 / –	MPa	ISO 527–1/–2
Strain at break	1.9 / –	%	ISO 527–1/–2
Flexural modulus	11000 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	7 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	7 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	305 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	285 / *	°C	ISO 75–1/–2
ELECTRICAL PROPERTIES	DRY / COND		
Electric strength	30 / 30	kV/mm	IEC 60243–1
Comparative tracking index	600 / –	V	IEC 60112
Relative permittivity (100Hz)	4.3 / 5.2	–	IEC 62631–2–1
Relative permittivity (1 MHz)	3.9 / 4.2	–	IEC 62631–2–1
Relative permittivity (1GHz)	3.7 / 3.9	–	IEC 61189–2–721
OTHER PROPERTIES	DRY / COND		

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1460 / –	kg/m³	ISO 1183

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