

Stanyl® CR310 (NC181)

Property Data (Provisional)

PA46-GF30 FR

30% Glass Reinforced, High Flow, Flame Retardant, Halogen free and free of red phosphorous

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	12500 / -	MPa	ISO 527-1/-2
Stress at break	150 / -	MPa	ISO 527-1/-2
Strain at break	1.9 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	39 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / -	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)	290 / *	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.75 / *	mm	IEC 60695-11-10
OTHER PROPERTIES			
	dry / cond		
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1530 / -	kg/m ³	ISO 1183

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