

Kalix® 5950 BK 000 HFFR
PA*-GF50

Syensqo

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.2 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	20000 / 19700	MPa	ISO 527
Tensile Strength	- / 183	MPa	ISO 527
Yield stress	245 / -	MPa	ISO 527
Strain at Break	1.8 / 1.7	%	ISO 527
Flexural Modulus (23°C)	19000 / -	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	15 / -	kJ/m ²	ISO 180/1A
Impact Strength (Izod), 23°C	50 / -	kJ/m ²	ISO 180/1U

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	247 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	255 / *	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0 / *	class	UL 94
Thickness tested	0.4 / *	mm	-
Burning Behav. 5V at Thickness h	5VA / *	class	IEC 60695-11-20
Thickness tested	1.5 / *	mm	-
ASTM Data			
Glass Transition Temperature	40	°C	ASTM E 1356

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1680 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.07	%	-
Melt temperature	275 - 285	°C	-
Mold temperature	115 - 130	°C	-
Zone 1	270	°C	-
Zone 2	285	°C	-

Characteristics
Processing

Injection Molding

Features

Low Warpage

Delivery form

Pellets, Black

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free, Platable, Impact modified