

Kalix® 9945 BK 000 HFFR
PA*-GF45

Syensqo

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	17000	MPa	ISO 527
Yield stress	190	MPa	ISO 527
Strain at Break	1.9	%	ISO 527
Flexural Modulus (23°C)	15000	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	12	kJ/m²	ISO 180/1A
Impact Strength (Izod), 23°C	45	kJ/m²	ISO 180/1U

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	257	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0	class	UL 94
Thickness tested	0.3	mm	-

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1580	kg/m³	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	280 - 290	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	265 - 270	°C	-
Zone 2	280 - 290	°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