

Xencor™ PPS LGF-3045 BK081-9
PPS-GLF45

Syensqo

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	Producer Method

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	18500	MPa	ISO 527
Stress at Break	185	MPa	ISO 527
Strain at Break	1.2	%	ISO 527
Impact Strength (Charpy), +23°C	50	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	18	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	17600	MPa	ISO 178
Flexural strength	275	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	19	kJ/m ²	ISO 180/1A
Impact Strength (Izod), 23°C	47	kJ/m ²	ISO 180/1U

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	1.4	%	Sim. to ISO 62
Density	1720	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	1 - 2	h	-
Melt temperature	340	°C	-
Mold temperature	150	°C	-
Zone 1	310 - 320	°C	-
Zone 2	315 - 330	°C	-
Zone 3	325 - 335	°C	-
Nozzle temperature	320 - 335	°C	-

Characteristics
Processing

Injection Molding, Compression Molding

Delivery form

Black