

KetaSpire® KT-880 SL30
(PEEK+PTFE)-CF

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	13	g/10min	ISO 1133
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	162	MPa	ISO 527
Strain at break	2	%	ISO 527
Izod impact strength, +23°C	32.1	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	5.83	kJ/m ²	ISO 180/1A
Shore D hardness	78	-	ISO 7619-1
Rockwell hardness	R 117	-	ISO 2039-2

ASTM Data			
Tensile Modulus	14500	MPa	ASTM D 638
Tensile Strength	155	MPa	ASTM D 638
Elongation at Break	1.9	%	ASTM D 638
Flexural Modulus	11700	MPa	ASTM D 790
Flexural Strength	225	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	147	°C	ISO 11357-1/-2
ASTM Data			
DTUL @ 264 psi	293	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water absorption	0.027	%	Sim. to ISO 62
Density	1480	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4	h	-
Mold temperature	175 - 205	°C	-
Zone 1	366	°C	-
Zone 2	370	°C	-
Zone 3	375	°C	-
Nozzle temperature	380	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Fatigue Resistance, Tribologic Grade

Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance, Oil Resistance

Applications

Chemical Process, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa