

Ixef® 1025 PARA-GF50

Syensqo

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	17000	MPa	ISO 527
Stress at Break	230	MPa	ISO 527
Strain at Break	1.9	%	ISO 527
Flexural Modulus (23°C)	17000	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	95	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	700	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	230	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	15	E-6/K	ISO 11359-1/-2
Burning Behav. at thickness h	HB	class	UL 94
Oxygen index	25	%	ISO 4589-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1610	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-

Characteristics

Processing Injection Molding	Features Creep Resistance
Delivery form Pellets, Black	Chemical Resistance General Chemical Resistance
Special Characteristics UV stabilized	Applications Automotive, IT / Business Machine