

Ixef® BM-1524
PARA-GF50

Syensqo

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	20000	MPa	ISO 527
ASTM Data			
Tensile Strength at Yield	248	MPa	ASTM D 638
Elongation at Break	2.3	%	ASTM D 638
Compressive Modulus	16500	MPa	ASTM D 695
Compressive Strength	328	MPa	ASTM D 695
Flexural Modulus	19300	MPa	ASTM D 790
Notched Impact Strength (Izod), 1/8 in	120	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	227	°C	ISO 75-1/-2
Burning Behav. at thickness h	V-0	class	UL 94
Thickness tested	0.4	mm	-
Oxygen index	37	%	ISO 4589-1/-2

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1690	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	1 - 3	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-

Characteristics

Processing	Features
Injection Molding	Creep Resistance, Low Emission

Delivery form	Chemical Resistance
Pellets	General Chemical Resistance

Special Characteristics	Applications
Flame retardant, Halogen-free	Aircraft and Aerospace