

Ixef® 3012
PARA-(GF+CF)55

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Water Absorption, 24hr	0.24	%	ASTM D 570

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	38500 / 36500	MPa	ISO 527
Tensile Strength	290 / 235	MPa	ISO 527
Strain at Break	1.1 / 0.9	%	ISO 527
Impact Strength (Charpy), +23°C	60 / 35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	6.7 / 6.3	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	6.4 / -	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	36000 / 35000	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	7.5 / -	kJ/m ²	ISO 180/1A
Impact Strength (Izod), 23°C	45 / -	kJ/m ²	ISO 180/1U

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	230 / *	°C	ISO 75-1/-2
Burning Behav. at thickness h	HB / *	class	UL 94

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1570 / -	kg/m ³	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 - 160	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-

Characteristics

Processing	Features
Injection Molding	Creep Resistance

Delivery form	Chemical Resistance
Pellets	General Chemical Resistance

Special Characteristics
Electrically Conductive