

Ixef® 2011/9000

PARA-MX42

Syensqo

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	18000	MPa	ISO 527
Stress at Break	140	MPa	ISO 527
Strain at Break	1.3	%	ISO 527
Flexural Modulus (23°C)	17000	MPa	ISO 178
Flexural strength	240	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	15	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	530	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	185	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	18	E-6/K	ISO 11359-1/-2
Oxygen index	29	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Volume Resistivity	1E11	Ohm*m	IEC 62631-3-1
Surface Resistivity	1E10	Ohm	IEC 62631-3-2
Electric Strength	24	kV/mm	IEC 60243-1
Comparative tracking index	520	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	2	%	Sim. to ISO 62
Density	1590	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

Delivery form

Pellets, Black

Features

Creep Resistance, High Gloss, Low Warpage

Chemical Resistance

General Chemical Resistance

Applications

Automotive, IT / Business Machine, Electrical and Electronical, General Purpose