

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

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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