Ixef® 2011/0000

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	15300	MPa	ISO 527
Stress at Break	130	MPa	ISO 527
Strain at Break	1.3	%	ISO 527
Impact Strength (Charpy), +23°C	29	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	2.1	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	14200	MPa	ISO 178
Flexural strength	180	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	2.2	kJ/m²	ISO 180/1A
Impact Strength (Izod), 23°C	24	kJ/m²	ISO 180/1U

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	235	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	165	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	18	E-6/K	ISO 11359-1/-2
Burning Behav. at thickness h	HB	class	UL 94
Oxygen index	29	%	ISO 4589-1/-2

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	1580	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, Natural Color

Features
Creep Resistance, High Gloss, Low Warpage

Chemical Resistance
General Chemical Resistance

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

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