

Product Texts

DESIGNATION:

Thermoplastics ISO1874-PA66,MR,14-030N

BRIEF DESCRIPTION:

PA66 standard injection moulding grade.

Easy mould release, fast cycling

Mechanical properties	dry / cond	Unit	Test Standard
CAMPUS/ISO Data			
Tensile Modulus	3400 / 1300	MPa	ISO 527-1/-2
Yield stress	85 / 55	MPa	ISO 527-1/-2
Yield strain	4.4 / 30	%	ISO 527-1/-2
Nominal strain at break	35 / >50	%	ISO 527-1/-2
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5 / 15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5 / 3	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
CAMPUS/ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	70 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	200 / *	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	240 / *	°C	ISO 306
Burning Behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-

Electrical properties	dry / cond	Unit	Test Standard
CAMPUS/ISO Data			
Volume resistivity	>1E13 / 1E13	Ohm*m	IEC 60093
Surface resistivity	* / 1E14	Ohm	IEC 60093
Comparative tracking index	* / 600	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
CAMPUS/ISO Data			
Water absorption	8.9 / *	%	Sim. to ISO 62
Humidity absorption	2.1 / *	%	Sim. to ISO 62
Density	1140 / *	kg/m ³	ISO 1183

Material specific properties	dry / cond	Unit	Test Standard
CAMPUS/ISO Data			
Viscosity number	145 / *	cm ³ /g	ISO 307, 1157, 1628

Test specimen production	Value	Unit	Test Standard
CAMPUS/ISO Data			
Processing conditions acc. ISO	1870	-	ISO-2
Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	60	°C	ISO 10724

Characteristics

Processing

Injection Molding

Additives

Lubricants

Delivery form

Pellets

Regional AvailabilityNorth America, Europe, Asia Pacific, South and Central America,
Near East/Africa**Other text information****Injection molding****PREPROCESSING**

Max. water content 0.2%

Drying temperature 80 °C

Drying time 2-4h (dry air dryer)

PROCESSING

Melt temperature 280 °C

Mold temperature 60 °C