

NANIL 1015 C2HN

PA6

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	140	g/10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3400	MPa	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus, 23°C	3200	MPa	ISO 178
Flexural strength	105	MPa	ISO 178
Izod notched impact strength, +23°C	5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	50	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	152 ^[ann.]	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	68	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

ann.: annealed

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.12	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	60 - 90	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat