DAFNELAN® LR12

POM — Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**12**	g/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**70**	MPa	ISO 527
Strain at break	**40**	%	ISO 527
Flexural modulus, 23°C	**2800**	MPa	ISO 178
Flexural strength	**85**	MPa	ISO 178
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**9**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**9**	kJ/m²	ISO 180/1A
Rockwell hardness	**M 75**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**100**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**150**	°C	ISO 75-1/-2
Vicat softening temperature, B	**160**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	**0.22**	%	Sim. to ISO 62
Density	**1400**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	**200 - 220**	°C	-
Mold temperature	**70 - 90**	°C	-

Characteristics

Processing
Injection Molding

Applications
General Purpose

Features
Homopolymer

Regional Availability
North America, Europe, Asia Pacific, South and Central America

Certifications
RoHS compliant