

KPOL-NYLON K-NY66/21I

Polyamide 66
KPOL Chem Co.

Message:

Standard Polyamide 6.6

Characteristics

General purpose, natural color PA66 resin suitable for compounding, injection molding, and extrusion applications where ease of processing, good set of mechanical properties, high tenacity and elongation, good set of thermal properties good color and physical property retention are desired.

No intentional additives or ingredients used are among those in the European directive 2002/95/EC (RoHS), as amended.

Applications

KPOL® 66/21I has been used in many molding applications, high productivity, such as terminal blocks, bearings, bushings, cams, eletrical connectors and housings, eletrical cable ties/tie straps and many other hardware and general industrial parts.

General Information	
Additive	Nucleating Agent
Features	General Purpose
	Good Processability
	High Elongation
	Nucleated
Uses	Bearings
	Bushings
	Cams
	Connectors
	Electrical/Electronic Applications
	Housings
	Industrial Parts
	Strapping
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Processing Method	Compounding
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.5	%	
Flow : 2.00 mm	1.4	%	
Water Absorption (23°C, 24 hr)	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method


Tensile Modulus	2800	MPa	ISO 527-2/1
Tensile Stress (Yield)	82.0	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.9	kJ/m ²	
23°C	4.6	kJ/m ²	
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	71.0	°C	ISO 75-2/A
Melting Temperature ¹	261	°C	ISO 11357
NOTE			
1.	10°C/min		

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