

KPOL-NYLON K-NY66/21VOF

Polyamide 66

KPOL Chem Co.

Message:

Standard Polyamide 6.6 Impact Modified

Characteristics

General purpose Nylon 6.6 resin available in natural color, impact modified grade.

It is designed principally for injection molding fabrication. Resin internally and externally lubricated. General purpose, resin suitable for compounding and extrusion applications where ease of processing and resistance to elevated temperatures.

Applications

KPOL® 66/21VOF has been used in many molding applications including industrial, consumer, automotive, and electrical applications. Typical end uses include clips, fasteners, gears, cable ties, electrical connectors, and many other parts that require additional toughness at room and low temperatures.

General Information			
Additive	Lubricant		
	Nucleating Agent		
Features	General Purpose		
	Good Impact Resistance		
	Good Processability		
	Good Toughness		
	High Heat Resistance		
	Impact Modified		
	Lubricated		
	Nucleated		
Uses	Automotive Applications		
	Connectors		
	Consumer Applications		
	Electrical/Electronic Applications		
	Fasteners		
	Gears		
	Industrial Applications		
Appearance	Natural Color		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.5	%	ASTM D955

Water Absorption (Equilibrium)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	18	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	265	°C	ASTM D2117

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