

KPOL-NYLON K-NY66/21VO

Polyamide 66
KPOL Chem Co.

Message:

Standard Polyamide 66 Impact Modified Applications
KPOL® 66/21VO 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.

Characteristics
General purpose Nylon 6.6 resin available in natural color, impact modified grade.
It is designed principally for injection molding fabrication. General purpose, resin suitable for compounding and extrusion applications where ease of processing and resistance to elevated temperatures.

General Information			
Additive	Impact Modifier		
	Nucleating Agent		
Features	Good Toughness		
	Impact Modified		
	Low Temperature Toughness		
	Nucleated		
Uses	Automotive Applications		
	Connectors		
	Consumer Applications		
	Electrical/Electronic Applications		
	Fasteners		
	Gears		
	General Purpose		
	Industrial Applications		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	1.5	%	ASTM D955
Water Absorption (Equilibrium)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield, 23°C)	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
Peak Melting Temperature	265	°C	ASTM D2117

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