

# KPOL-NYLON K-NY6/27W

Polyamide 6  
KPOL Chem Co.

Message:

Standard Polyamide 6  
Characteristics  
Exhibit excellent melt flow properties for filling thin sections and reduced cycle times. It exhibits good set of mechanical properties, strength, stiffness, and toughness as well as excellent heat, chemical and abrasion resistance.  
Applications  
General purpose, Injection Molding and Extrusion/Molding applications.

General Information			
Features	General Purpose		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Flow		
	Good Strength		
	Good Toughness		
	High Heat Resistance		
	High Stiffness		
Uses	General Purpose		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Water Absorption (Equilibrium)	1.3	%	ASTM D570
Relative Viscosity - SAV @ 98% Sulfuric Acid	2.80		ASTM D789
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	78.0	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	56	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	220	°C	ASTM D2117

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