

KPOL-NYLON K-NY6/40CF2

Polyamide 66/6 Copolymer
KPOL Chem Co.

Message:

Standard Polyamide 6 / 6.6 Copolymer

Characteristics

KPOL® NY6/40CF2 is a Copolymer of Nylon 6 high viscosity, which has excellent characteristics for extruded films, co-extruded multilayer packaging. The chemical combination of monomers, confers a greater ability to orient the film, with optimization and high degree of luster, excellent transparency, gas barrier and high tear resistance.

Applications

The grade is suitable for a wide field of film and extrusion applications. This material has following features: Outstanding processability, Good mechanical properties, Good transparency and Good puncture resistance. Approved for direct and indirect contact with food (FDA / EC).

General Information			
Features	Copolymer		
	Perforation resistance		
	Workability, good		
	Good tear strength		
	Gas barrier property		
	Compliance of Food Exposure		
	Viscosity, High		
Uses	Packaging		
	Films		
Agency Ratings	EU Unspecified Rating		
	FDA not rated		
Appearance	Clear/transparent		
Processing Method	Film extrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Relative viscosity-SAV @ 96% Sulfuric Acid			
--	4.10		ISO 307
--	4.10		ASTM D789
Films	Nominal Value	Unit	Test Method
Oxygen Transmission Rate (23°C, 0% RH)	26	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (40°C, 90% RH)	180	g/m ² /24 hr	ISO 15106-3
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	190	°C	ASTM D2117

Optical	Nominal Value	Unit	Test Method
Gardner Gloss	58		ASTM D523
Haze	20	%	ASTM D1003

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Recommended distributors for this material

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