

HyFlex P021

Copolyester
KMI Group, Inc.

Message:

HyFlexP021 polymer is a modified co-polyester that exhibits elastomeric properties.
HyFlexP021 can be melt spun into Fiber and Monofilament, and can also be extruded for other applications that require elastic properties in the final product.
HyFlexP021 co-polyester needs to be dried to <50ppm moisture (110°C/-40°C d.pt. air/14+ hours) if processed on single screw extruder. Drying in dry nitrogen atmosphere is preferred.

General Information	
Features	Compliance of Food Exposure
Uses	monofilament
	Fiber
Agency Ratings	EU 90/128/EEC
	FDA 21 CFR 177.1520
	European 2002/72/EC
Processing Method	Extrusion
	Filament extrusion
	Fiber (spinning) extrusion

Physical	Nominal Value		Test Method
Color b - Hunter Colorimeter	14.0 - 28.0		
Color L - Hunter Colorimeter	64.0 - 78.0		
Intrinsic viscosity-0.1% Solution in M-cresol	1.0 - 1.4		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D, 23°C)	43		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	18.2	MPa	ASTM D638
Tensile Elongation (Break)	460	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	260	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	< 240	°C	DSC

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