

Firestone CLM200-001

Polyamide 6
Firestone Textiles Company

Message:

Firestone CLM200-001 is a polyamide 6 (nylon 6) material. This product is available in North America and is processed by filament extrusion. The main characteristics of Firestone CLM200-001 are: lubrication.

The typical application fields of Firestone CLM200-001 are: textile/fiber

General Information			
Additive	Lubricant		
Features	Lubrication		
Uses	monofilament		
Appearance	Natural color		
Forms	Particle		
Processing Method	Filament extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	180	°C	ASTM D648
1.8 MPa, not annealed	65.0	°C	ASTM D648
Melting Temperature	220	°C	
Additional Information			
Relative Viscosity, Test Method Unspecified:Sulfuric Acid: 3.10Formic Acid: 82Chip Size: 2 x 3.5 mm			
Extrusion	Nominal Value	Unit	
Suggested Max Moisture	0.080	%	
Cylinder Zone 1 Temp.	249 - 260	°C	
Cylinder Zone 3 Temp.	254 - 266	°C	
Cylinder Zone 4 Temp.	254 - 266	°C	
Cylinder Zone 5 Temp.	260 - 271	°C	
Melt Temperature	260 - 271	°C	
Extrusion instructions			
Max Melt Temp: 515 - 550°FQuench: 65 - 75°F			

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Recommended distributors for this material

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