

Firestone CL200-001

Polyamide 6
Firestone Textiles Company

Message:

Firestone CL200-001 is a polyamide 6 (nylon 6) material. This product is available in North America and is processed by extrusion or injection molding. The main characteristics of Firestone CL200-001 are: lubrication.

General Information	
UL YellowCard	E148951-223691
Additive	Lubricant
Features	Lubrication
Uses	General
Appearance	Natural color
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	83.0	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
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Extrusion instructions

Max Melt Temp: 515 - 550°F Quench: 65 - 75°F

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Recommended distributors for this material

Susheng Import & Export Trading Co., Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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