

Firestone CR212-203D

Polyamide 6
Firestone Textiles Company

Message:

Firestone CR212-203D is a polyamide 6 (nylon 6) material. This product is available in North America and is processed by extrusion or injection molding. The main features of the Firestone CR212-203D are:

heat stabilizer
Lubrication

General Information	
Additive	heat stabilizer
	Lubricant
Features	Thermal Stability
	Lubrication
Uses	General
Appearance	Black
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
Water Absorption (24 hr)	0.080	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	79.3	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2590	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	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: 2.60Formic Acid: 46ModifiedChip Size: 2 x 3 mm	
Extrusion	Nominal Value Unit

Suggested Max Moisture	0.20	%
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°F Quench: 65 - 75°F

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Recommended distributors for this material

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