

Nylene® 6250L

Polymeric Resources Corporation (PRC) - *Polyamide 6/12 Copolymer*

General Information

Product Description

- Nylene 6250L is a low viscosity nylon 6/12 molding resin. This material use used in applications requiring good electrical insulation properties. When molding, Nylene 6250L has high flow characteristics at minimum temperatures.

General

Material Status	• Commercial: Active
Availability	• North America
Features	- Electrically Insulating - High Flow - Low Moisture Absorption - Low Viscosity
Uses	• Electrical/Electronic Applications
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Viscosity Number (H2SO4 (Sulphuric Acid))	2.40	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9430	psi	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Flexural Modulus	290000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	423	°F	ASTM D3418

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	302 to 356	°F
Drying Time	2.0 to 4.0	hr
Suggested Shot Size	25 to 75	%
Suggested Max Regrind	25	%
Mold Temperature	302 to 482	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

