

# Nylene® 9110 G43

Polyamide 610

Custom Resins Group

Message:

43% glass fiber reinforced nylon 6/10 injection molding grade

Has the high strength and stiffness of reinforced nylon, while also having the reduced moisture pick-up associated with nylon 6/10

Suitable for pump housings, inlet housings, fittings, and other uses where moisture pickup may be a concern

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Features	High Stiffness		
	High Strength		
	Low Moisture Absorption		
Uses	Fittings		
	Housings		
	Pump Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	165	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus (23°C)	10300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	203	°C	ASTM D648
Peak Melting Temperature	221	°C	ASTM D3418

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