

Nylene® 609

Polyamide 6

Custom Resins Group

Message:

High viscosity, extrusion grade recommended for practically all types of extrusion including profile, film, and extrusion coating
Especially recommended for flexible packaging where as a film or coating it is used for the outside layer in multi-ply film constructions
Excellent melt flow and melt strength properties
Optimum processing conditions should permit for a melt temperature of 550 - 575°F at the die.

General Information			
Features	Good Flow		
	Good Melt Strength		
	High Viscosity		
Uses	Film		
	Packaging		
	Profiles		
Processing Method	Extrusion		
	Extrusion Coating		
	Film Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	70.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	140	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	161	°C	
1.8 MPa, Unannealed	62.2	°C	
Peak Melting Temperature	216	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Die Temperature	288 to 302	°C	

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