

NYLENE® 609

PA6

Polymeric Resources Corporation

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	75.8	MPa	ASTM D 638
Flexural Modulus	2620	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	60	°C	ASTM D 648
Melting Temperature	221	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	82	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	288 - 302	°C	-
Feed temperature	260 - 277	°C	-
Zone 1	271 - 293	°C	-
Zone 2	288 - 302	°C	-
Nozzle temperature	288 - 302	°C	-

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion, Pipe/Tube Extrusion, Profile Extrusion, Coating, Blow Molding

Features

Melt Strength

Applications

Packaging

Regional Availability

North America