

NYLENE® 607

PA6

Polymeric Resources Corporation

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	85	MPa	ISO 527
Flexural modulus, 23°C	2750	MPa	ISO 178
Charpy impact strength, +23°C	8	kJ/m ²	ISO 179/1eU
ASTM Data			
Tensile Strength	84.8	MPa	ASTM D 638
Flexural Modulus	2758	MPa	ASTM D 790
Flexural Strength	107	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	65	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	186	°C	ASTM D 648
DTUL @ 264 psi	65	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	ISO 1183
Density	1140	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, Sheet Extrusion

Applications

Packaging

Features

Good Drawdown, Melt Strength

Regional Availability

North America