

NYLENE® NX5703

PA6

Polymeric Resources Corporation

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	82.7	MPa	ASTM D 638
Izod Impact notched, 1/8 in	187	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	166	°C	ASTM D 648
DTUL @ 264 psi	54.4	°C	ASTM D 648

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	232 - 243	°C	-
Feed temperature	216 - 227	°C	-
Zone 1	227 - 238	°C	-
Zone 2	232 - 243	°C	-
Nozzle temperature	232 - 243	°C	-

Characteristics**Processing**

Pipe/Tube Extrusion, Profile Extrusion, Wire/Cable Extrusion

Applications

Monofilament

Additives

Plasticizer

Regional Availability

North America