

NYLENE® NX3024

PA6

Polymeric Resources Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.014	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	82.7	MPa	ASTM D 638
Flexural Modulus	103.4	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	182	°C	ASTM D 648
DTUL @ 264 psi	55	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
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	249 - 260	°C	-
Feed temperature	232 - 243	°C	-
Zone 1	243 - 254	°C	-
Zone 2	249 - 260	°C	-
Nozzle temperature	249 - 260	°C	-

Characteristics**Processing**

Film Extrusion, Other Extrusion, Coating

Features

Melt Strength

Chemical Resistance

Grease Resistance

Certifications

Food contact, Food approval FDA 21 CFR

Regional Availability

North America