

Unmodified **NyLester™**, which contains 90% recycled PET and exhibits characteristics (strength, stiffness, hardness, surface texture, chemical resistance, corrosion resistance and heat resistance) that closely match those of unmodified PA6 (Nylon 6).

Physical Properties

(Testing performed by [ARDL](#))

Properties	ASTM	Units	NyLester™	PA6
Color	-	-	Grey	Ivory
Specific Gravity	D792	g/cc	1.2823	1.15
Thermal Properties				
Melting Temperature	ISO 11257	°C	250	220
Mechanical Properties at 23° C				
Izod Impact	D256A	ft-lbs/in	0.359	0.4
Flexural Modulus	D790	10 ³ psi	349	333
Flexural Strength (Rupture or Yield)	D790	psi	12,755	13,500
Tensile Strength at Break	D638	psi	8000 - 8800	6500 - 8500
Tensile Yield Strength	D638	psi	8000 - 8800	6500 - 8500

Before using **NyLester™**, the pellets need to be dried for at least 4 hours at 88° C (190° F). **NyLester™** extrudes at 270° C (518° F).

Availability: Contact Us

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<http://www.NyltecPolymers.com>

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NyLester™ is a trademark of Nyltec Polymers.

This product data sheet and any specifications and data presented on our website is for promotional and general information about **NyLester™** manufactured in the USA by Nyltec Polymers and should serve as a preliminary guide. All data and descriptions of **NyLester™** are of an indicative nature only. Neither this data sheet nor any data and specifications presented on our website shall create or be implied to create any legal or contractual obligation.

It is solely the consumer's responsibility to test and assess the suitability and compatibility of **NyLester™** for its intended applications, processes and uses and to choose **NyLester™** which according to its assessment meet the requirements applicable to the specific use of the finished product. The customer undertakes all liability with regards to the application, processing and use of this information or any information on our website, or any consequences thereof and shall verify its quality and other properties.