

Polifil® 836L

PA6

The Plastics Group of America

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	2482	MPa	ASTM D 638
Tensile Strength	64.8	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Elongation at Break	60	%	ASTM D 638
Flexural Modulus	2206	MPa	ASTM D 790
Flexural Strength	82.7	MPa	ASTM D 790
Rockwell Hardness	R 108	-	ASTM D 785
Gardner Impact	11.3	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	133	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	149	°C	ASTM D 648
DTUL @ 264 psi	60	°C	ASTM D 648
Other properties			
Water Absorption, 24hr	1.3	%	ASTM D 570
Density	1090	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Features

Low Odor

Applications

Automotive

Regional Availability

North America