

Polifil® 71MR

PA66-MX40

The Plastics Group of America

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	4826	MPa	ASTM D 638
Tensile Strength	88.3	MPa	ASTM D 638
Elongation at Yield	3	%	ASTM D 638
Elongation at Break	12	%	ASTM D 638
Flexural Modulus	3861	MPa	ASTM D 790
Flexural Strength	138	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Gardner Impact	1.36	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	58.7	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	245	°C	ASTM D 648
DTUL @ 264 psi	225	°C	ASTM D 648
Other properties			
Water Absorption, 24hr	0.6	%	ASTM D 570
Density	1500	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance, Low Odor, Thermal Stability

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Sports Equipment

Regional Availability

North America