

Polifil® 78MRGF

PA66-(MX+GF)40

The Plastics Group of America

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	6895	MPa	ASTM D 638
Tensile Strength	124	MPa	ASTM D 638
Elongation at Yield	2	%	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	6550	MPa	ASTM D 790
Flexural Strength	186	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Gardner Impact	0.565	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	64.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	257	°C	ASTM D 648
DTUL @ 264 psi	235	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1450	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