

PMGHS40-01BK

PA66-(GX+MX)40

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0095	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Modulus	9000 / 6200	MPa	ASTM D 638
Tensile Strength	140 / 95	MPa	ASTM D 638
Elongation at Break	3 / 5	%	ASTM D 638
Flexural Modulus	8800 / -	MPa	ASTM D 790
Flexural Strength	210 / -	MPa	ASTM D 790
Rockwell Hardness	R 120 / -	-	ASTM D 785
Izod Impact notched, 1/8 in	58.9 / 88.3	J/m	ASTM D 256
Thermal properties			
	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	255	°C	ASTM D 648
DTUL @ 264 psi	240	°C	ASTM D 648
Melting Temperature	262	°C	ASTM D 3418
Electrical properties			
	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / >1E15	Ohm	IEC 62631-3-2
Electric strength	28 / -	kV/mm	IEC 60243-1
Comparative tracking index	450 / -	-	IEC 60112
Other properties			
	Value	Unit	Test Standard
Water Absorption, 24hr	1.5	%	ASTM D 570
Water Absorption, Equilibrium	5	%	ASTM D 570
Density	1470	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Features

Low Warpage

Applications

Automotive

Regional Availability

Asia Pacific