

PG40-01BK

PA66-GF40

Next Polymers Ltd.

Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	200 / 160	MPa	ASTM D 638
Elongation at Break	3 / 4	%	ASTM D 638
Flexural Modulus	12500 / 9500	MPa	ASTM D 790
Flexural Strength	275 / 220	MPa	ASTM D 790
Rockwell Hardness	R 125 /	-	ASTM D 785
Izod Impact notched, 1/8 in	167 / 186	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	260	°C	ASTM D 648
Melting Temperature	262	°C	ASTM D 3418

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
Electric strength	27 / 24	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1460	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Automotive, Encapsulation

Delivery form

Black

Regional Availability

Asia Pacific

Features

Thermal Stability