

PGHS33-01BK

PA66-GF33

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0028	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0075	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	185 / 135	MPa	ASTM D 638
Elongation at Break	4 / 6	%	ASTM D 638
Flexural Modulus	10500 / 8500	MPa	ASTM D 790
Flexural Strength	245 / 210	MPa	ASTM D 790
Rockwell Hardness	R 125 /	-	ASTM D 785
Izod Impact notched, 1/8 in	128 / 177	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
DTUL @ 264 psi	256	°C	ASTM D 648
Melting Temperature	262	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E13 / 1E13	Ohm*m	IEC 62631-3-1
Electric strength	26 / 24	kV/mm	IEC 60243-1
Comparative tracking index	650 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.8	%	ASTM D 570
Water Absorption, Equilibrium	6.1	%	ASTM D 570
Density	1390	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Applications

Automotive

Regional Availability

Asia Pacific