

PG30-01BL

PA66-GF30

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0027	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0058	mm/mm	ASTM D 955
Mechanical properties			
	dry / cond	Unit	Test Standard
ASTM Data			
Tensile Strength	170 / 120	MPa	ASTM D 638
Elongation at Break	4 / 6	%	ASTM D 638
Flexural Modulus	9000 / 6200	MPa	ASTM D 790
Flexural Strength	250 / 190	MPa	ASTM D 790
Rockwell Hardness	R 120 /	-	ASTM D 785
Izod Impact notched, 1/8 in	108 / 128	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	250	°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	28 / 24	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	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	1360	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Applications

General Purpose