

**PGHS35-01NC**

PA66-GF35

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.011	mm/mm	ASTM D 955
Mechanical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	210 / 160	MPa	ASTM D 638
Elongation at Break	3 / 4	%	ASTM D 638
Flexural Modulus	10700 / -	MPa	ASTM D 790
Flexural Strength	285 / -	MPa	ASTM D 790
Rockwell Hardness	R 125 / -	-	ASTM D 785
Izod Impact notched, 1/8 in	118 / 157	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	255	°C	ASTM D 648
Melting Temperature	262	°C	ASTM D 3418
Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13 / 1E13	Ohm*m	IEC 62631-3-1
Electric strength	34 / -	kV/mm	IEC 60243-1
Comparative tracking index	450 / -	-	IEC 60112
Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.6	%	ASTM D 570
Water Absorption, Equilibrium	5	%	ASTM D 570
Density	1410	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

Asia Pacific