

**SG15-01BK**

ABS-GF15

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	13	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	6000	MPa	ASTM D 638
Tensile Strength	60	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	5500	MPa	ASTM D 790
Flexural Strength	127	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	78.5	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	112	°C	ASTM D 648
DTUL @ 264 psi	105	°C	ASTM D 648
Vicat Temperature	103	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Comparative tracking index	400	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	18	kV/mm	ASTM D 149

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.13	%	ASTM D 570
Water Absorption, Equilibrium	0.6	%	ASTM D 570
Density	1170	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Applications**

Automotive

**Regional Availability**

Asia Pacific