

**SX-02AVBK**

ABS

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2000	MPa	ASTM D 638
Tensile Strength	40	MPa	ASTM D 638
Elongation at Break	17	%	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	72	MPa	ASTM D 790
Rockwell Hardness	R 95	-	ASTM D 785
Izod Impact notched, 1/8 in	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	110	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648
Vicat Temperature	105	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	550	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	17.7	kV/mm	ASTM D 149
Arc Resistance	160	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Water Absorption, Equilibrium	0.7	%	ASTM D 570
Density	1040	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

U.V. stabilized or stable to weather

**Applications**

Automotive, IT / Business Machine, Electrical and Electronical, Encapsulation

**Regional Availability**

Asia Pacific