

SX-02BK

ABS

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
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
ASTM Data			
Tensile Modulus	1900	MPa	ASTM D 638
Tensile Strength	35	MPa	ASTM D 638
Tensile Strength at Break	12	MPa	ASTM D 638
Flexural Modulus	2000	MPa	ASTM D 790
Flexural Strength	65	MPa	ASTM D 790
Rockwell Hardness	R 90	-	ASTM D 785
Izod Impact notched, 1/8 in	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	102	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648
Vicat Temperature	105	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	550	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149
Arc Resistance	120	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 ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Black

Applications

IT / Business Machine, Electrical and Electronical, Encapsulation

Regional Availability

Asia Pacific