

SXF-01BK

ABS

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2340	MPa	ASTM D 638
Tensile Strength	41	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	2700	MPa	ASTM D 790
Flexural Strength	75	MPa	ASTM D 790
Rockwell Hardness	R 98	-	ASTM D 785
Izod Impact notched, 1/8 in	147	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	105	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648
Vicat Temperature	103	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	400	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Arc Resistance	30	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.32	%	ASTM D 570
Water Absorption, Equilibrium	0.75	%	ASTM D 570
Density	1190	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant

Chemical Resistance

General Chemical Resistance

Applications

IT / Business Machine, Electrical and Electronical, Encapsulation

Regional Availability

Asia Pacific