

storex®	Grade	SD-0150 U
	Resin Type	ABS

General, Home Appliances

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.04
Melt Flow Index	ASTM D1238	200°C, 5kg	g/10min	1.7
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	0.3
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	0.3
Mechanical				
Tensile Strength at Yield	ASTM D638	5mm/min	MPa	40
Tensile Strain at break	ASTM D638	5mm/min	%	15
Tensile Modulus	ASTM D638	5mm/min	MPa	2000
Tensile Strength at break	ASTM D638	5mm/min	MPa	44
Flexural Strength	ASTM D790	2.8mm/min	MPa	58
Flexural Modulus	ASTM D790	2.8mm/min	MPa	2100
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	J/m	240
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	J/m	280
Rockwell Hardness	ASTM D785	R-Scale	-	108
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	83
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	95
VICAT Softening Temperature	ISO 306	B/50	°C	98
Appearance				
Yellowness Index	ASTM D1925	3.2mm	-	18

1. The value above is the representative value of the NP or representative color and may have deviation. It can only be used for selecting materials.
2. The value above shall not be regarded as a material specification and cannot be used for molding designs.

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