

## **ISO Property**

storex <sup>.</sup>	Grade Resin Type	GR-4017 ABS/GF		
Item	Measuring Method	Condition	Unit	Value
ICEIII	Measuring Mechou	Condición	UIIIC	Value
		Physical		
Specific Gravity	ISO 1183	Natural or representative color	-	1.17
Melt Flow Index	ISO 1133	220℃,10kg	g/10min	17.2
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	-
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	-
ASH Content	ISO 3451	-	%	17
		Mechanical		
Tensile Strength at Yield	ISO 527	50mm/min	MPa	93
Tensile Strain at break	ISO 527	50mm/min	%	3
Tensile Modulus	ISO 527	50mm/min	MPa	5200
Tensile Strength at break	ISO 527	50mm/min	MPa	93
Flexural Strength	ISO 178	2mm/min	MPa	131
Flexural Modulus	ISO 178	2mm/min	MPa	5800
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m <sup>2</sup>	8
Charpy Impact Strength (V- notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m <sup>2</sup>	8.6
Rockwell Hardness	ISO 2039-2	R-scale	-	117
		Thermal		
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	100
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	105
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	105
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	109
VICAT Softening Temperature	ISO R 306	B/50	°C	105
VICAT Softening Temperature	ISO R 306	B/120	°C	107

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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\* The last update date : 04/25/2014

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