

ISO Property

storex	Grade	SR-0320LT
	Resin Type	ABS

Item	Measuring Method	Condition	Unit	Value
Physical Properties				
Specific Gravity	ISO 1183	Natural Color	-	1.05
Melt Flow Index	ISO 1133	220°C,10kg	g/10min	10
Mold Shrinkage	ISO 2577	-	%	0.4~0.7
Mechanical Properties				
Tensile Modulus	ISO 527	1mm/min	MPa	2400
Tensile Strength at Yield	ISO 527	50mm/min	MPa	48
Tensile strain at Break	ISO 527	50mm/min	%	50<
Flexural Strength	ISO 178	2mm/min	MPa	77
Flexural Modulus	ISO 178	2mm/min	MPa	2,400
IZOD Impact Strength (notched)	ISO 180 1	23°C	KJ/m²	18
Charpy Impact Strength (notched)	ISO 179 1eA	23°C	KJ/m²	18
Thermal Properties				
Vicat Softening Temperature	ISO R 306	50N 50 °C/h	°C	106
Vicat Softening Temperature	ISO R 306	50N 120 °C/h	°C	109
HDT(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	86
HDT(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	100
HDT(Annealed)	ISO 75-2	1.8MPa, 4.0mm	°C	105
HDT(Annealed)	ISO 75-2	0.45MPa, 4.0mm	°C	108
Other Properties				

1. The value above is the representative value of the NP standard 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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