

ISO Property

starex[®]

Grade SR-0330M

Resin Type ABS

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.07
Melt Flow Index	ISO 1133	220 °C, 10kg	g/10min	3
Melt Flow Index	ISO 1133	250 °C, 2.16kg	g/10min	2
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.6
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.64
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	48
Tensile Strain at break	ISO 527	50mm/min	%	15
Tensile Modulus	ISO 527	50mm/min	MPa	2330
Tensile Strength at break	ISO 527	50mm/min	MPa	45
Flexural Strength	ISO 178	2mm/min	MPa	78
Flexural Modulus	ISO 178	2mm/min	MPa	2350
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	14
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	15
Izod Impact Strength (notched)	ISO 180 1A	at -30°C, 4mm	KJ/m ²	9
Charpy Impact Strength (V-notched)	ISO 179 1eA	at -30°C, 4mm	KJ/m ²	10
Rockwell Hardness	ISO 2039-2	R-scale	-	113
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	96
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	112
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	103
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	112
VICAT Softening Temperature	ISO R 306	B/50	°C	118
VICAT Softening Temperature	ISO R 306	B/120	°C	119
Appearance				
Yellowness Index	ASTM D1925		-	31.2

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.

Information inserted in this document such as data, statements, representative values, etc. are provided solely for customer convenience. It does not expressly or impliedly guarantee anything regarding the safety or practicability of the (1) materials, (2) products, and/or (3) design that utilizes recommendations or proposals of Samsung SDI Chemical. Furthermore, nothing in the contents of this document shall have any legal binding effect, and especially, the representative value is simply for reference and is not a minimum value that has legal binding effect.

Whether materials and/or products of Samsung SDI Chemical and/or a design that uses or utilizes Samsung SDI Chemical's recommendations or proposals are (is) compatible with individual uses shall be determined solely by each user and such user shall be solely responsible for any results, including but not limited to, any and all loss and damages incurred due to such uses.

ISO_150750_20140717

Users must implement and verify all testing and analyses for proving the safety and compatibility of final products that have been created or altered by using Samsung SDI Chemical's materials or products. The data and values inserted and/or contained in this document may be changed due to quality improvement of the product without any prior notification.

※ The last update date : 05/13/2014

© 2014 SAMSUNG SDI CHEMICAL. All rights reserved.