

ASTM Property

starex®	Grade	SF-301 H
	Resin Type	EPS

Typical Application : Package, I.C.F

Item	Measuring Method	Unit	Value
Bead Analysis			
Beads Size	JIS Z8801	mm	0.72 ~ 0.96
Ps	Polymer	%	93 ~ 94
Blowing Agent	Pentane	%	6 ~ 7
Specific Gravity		-	1.03 ~ 1.05
Best Density Range		kg/m ³	18 ~ 25
Pre-Expansion			
Expandability	Expansion for 5min CHEIL METHOD	Times	75
Blocking(Max.)		%	1
Molding Property			
Compressive Strength(Min.)	KS M 3808	N/cm ²	10 (@ 15kg/m ³)
Flexural Breaking	KS M 3808	N	30 (@ 15kg/m ³)
Fusion(Min.)	CHEIL METHOD	%	65
Thermal			
Thermal Conductivity	KS L9016	W/m.k	0.039 (@ 15kg/m ³)
Flammability			
Flammability	UL 94	-	HF-1
Flammability	KS M ISO 9772	sec / mm	5 / 44

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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