SNOWA H-712 is a high impact polystyrene for the injection industry. It is having high flow characteristics with high tensile and flexural strength with medium heat deflection and vicat temperatures.

Features

- Good balance of toughness, high flow, and heat resistance
- High gloss

Application

- furniture parts
- food containers
- Injection molding parts
- Air conditioners
- Refrigerators

No.	Test Item	Test Method	Unit	Value
1	Melt Flow Index (200°C - 5kg)	ASTM D-1238	g/10min	12
2	Vicat Softening Temperature (50°C/hr. - 1kg)	ASTM D-1525	℃	85
3	Tensile strength @ Break	ASTM D-638	MPa	29
4	Tensile strength @ Yield	ASTM D-638	MPa	31
5	Elongation @ Break	ASTM D-638	%	25
6	Flexural Modulus	ASTM D-790	MPa	2550
7	Tensile Modulus	ASTM D-638	MPa	2200
8	Notched Izod impact strength	ASTM D-256	J/m	96
9	Flexural stress @ Yield	ASTM D-790	MPa	34
10	Rockwell Hardness	ASTM D-785	-	60
11	Water Absorption	ASTM D-570	%	0.1
12	Residual Monomer	GB-16867	PPM	MAX 600
13	Mold Shrinkage	ASTM D-955	%	0.4 - 0.6
14	Density	ASTM D-955	Kg/lit	1.05

Processing : SNOWA H-712 can be injection molded under different conditions depending on machinery available and articles molded. Mold temperature can be as high as 260°C.To achieve articles with very . high gloss, well-polished surfaces are recommended.

