

# 121PC

## Acrylonitrile Styrene (AS/SAN)

### Description:

121PC is a general purpose grade of acrylonitrile styrene resin for injection molding process with blue color and clarity appearance. It is recommended for household products (sanitary ware), electrical appliances (electric fan), cosmetic packaging, and automotive parts (lamp).

Physical Properties:	Method	Unit	Value
Melt Flow Index (200°C, 5 kg)	ASTM D1238	g/10min.	2.8
Izod Notched Impact (1/4", 23°C)	ASTM D256	kg-cm/cm	2.2
Tensile Strength at Yield (23°C)	ASTM D638	kg/cm <sup>2</sup>	720
Flexural Strength at Yield (23°C)	ASTM D790	kg/cm <sup>2</sup>	1200
Flexural Modulus (23°C)	ASTM D790	×10 <sup>4</sup> kg/cm <sup>2</sup>	3.80
Rockwell Hardness (1/4", 23°C)	ASTM D785	M-Scale	93
Heat Distortion Temperature (1/4", 18.6 kg/cm <sup>2</sup> , non-annealing)	ASTM D648	°C	81
Vicat Softening Temperature (1/8", 1 kg)	ASTM D1525	°C	108

### Processing Technique

Drying Temperature: 80-85°C, 2-3 hrs

Processing Temperature: 210-260°C

\*\*However, the actual processing conditions depend on mold design, power of machine, screw configurations and other environments.\*\*

**Remark:** The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.