

# 320PC

## Acrylonitrile Styrene (AS/SAN)

### Description:

320PC is a high chemical high heat grade of acrylonitrile styrene resin for injection molding with natural color and clarity. It is recommended for application where a resistance of chemical and heat are important such as lighter, cosmetic packaging, sanitary ware.

Physical Properties:	Method	Unit	Value
Melt Flow Index (200°C, 5 kg)	ASTM D1238	g/10min.	1.9
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>	816
Flexural Strength at Yield (23°C)	ASTM D790	kg/cm <sup>2</sup>	1365
Flexural Modulus (23°C)	ASTM D790	×10 <sup>4</sup> kg/cm <sup>2</sup>	3.91
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	86
Vicat Softening Temperature (1/8", 1 kg)	ASTM D1525	°C	106

### 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.