

# AP102

## Acrylonitrile Butadiene Styrene (ABS)

### Description:

AP102 is a plating grade of ABS resin that is especially designed for electro plating of injection molding. It is recommended for automotive parts (radiator grill, motorcycle parts, and name plates), knob, TV component, and cosmetic packaging.

Physical Properties:	Method	Unit	Value
Melt Flow Index (10 kg/220°C)	ASTM D1238	g/10min.	21
Izod Notched Impact (1/4", 23°C)	ASTM D256	Kg-cm/cm	25
Tensile Strength at Yield (23°C)	ASTM D638	kg/cm <sup>2</sup>	435
Flexural Strength at Yield (23°C)	ASTM D790	kg/cm <sup>2</sup>	620
Flexural Modulus (23°C)	ASTM D790	×10 <sup>4</sup> kg/cm <sup>2</sup>	2.35
Rockwell Hardness (1/4", 23°C)	ASTM D785	R-Scale	112
Heat Distortion Temperature (1/4", 18.6 kg/cm <sup>2</sup> )	ASTM D648	°C	88
Heat Distortion Temperature (1/4", 4.6 kg/cm <sup>2</sup> )	ASTM D648	°C	96
Flammability	UL-94	-	HB (1.5)

### Processing Technique

Drying Temperature: 80-85°C, 2-4 hrs

Processing Temperature: 190-240°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.