

**Utilizable in wide field. (miniaturization electronics parts, high reliability parts etc.)**

## Features

- 1) Excellent Dimensional Accuracy and Stability. (Possible to Shrinkage-less)
- 2) Excellent Mechanical Characteristics.
- 3) Excellent Electrical Characteristics.
- 4) Excellent fluidity. (superior filling and molding)
- 5) Possible to Mold by Low Pressure.
- 6) Possible to Fast Cure in Low Temperature.
- 7) For Compression molding, Injection molding and Transfer molding.
- 8) Good metal corrosion properties and environmental friendly compounds.  
 Because it is halogen-free (Cl and Br) in flame retardant.

## Property

Item	Unit	Encapsulation parts AP-401	Electrical parts AP-912S	Accurate parts XP-9003
Mold shrinkage	%	0.05 - 0.20	0.08 - 0.12	0.00 - 0.05
Moisture absorption	%	< 0.1	< 0.1	< 0.1
Insulation resistance (normal condition)	ohm	10 <sup>13</sup>	10 <sup>14</sup>	10 <sup>14</sup>
Insulation resistance (after boiled)	ohm	10 <sup>11</sup>	10 <sup>11</sup>	10 <sup>9</sup>
Arc resistance	s	> 185	> 180	> 180
Flexural strength	MPa	100 - 120	120 - 150	80 - 120
Charpy impact strength	kJ/m <sup>2</sup>	8 - 15	15 - 25	15 - 25
Flammability(UL-94)	-	V-0 (0.71mm)	V-0 (1.0mm)	V-0 (1.6mm)

## Application



Motor



Solenoid valve coil



Breaker



Optical equipment chassis

## Product shape

- \* bulk
- \* stick
- \* weight cut

