

# KP 212G 15V 0BM

PBT compounded resin, G/F 15% reinforced,  
flame retardant & easy printing grade with black color

| TEST ITEM                               | ASTM | UNIT | VALUE                         |
|---|------|------|-------------------------------|
| <b>Physical Property</b>                |      |      |                               |
| Specific Gravity                        | 23°C | D792 | -                             |
| Water Absorption                        |      | D570 | %                             |
| Mold Shrinkage                          | 23°C | D955 | %                             |
| <b>Mechanical Property</b>              |      |      |                               |
| Tensile Strength                        | 23°C | D638 | Kg/cm <sup>2</sup>            |
| Tensile Elongation                      | 23°C | D638 | %                             |
| Flexural Strength                       | 23°C | D790 | Kg/cm <sup>2</sup>            |
| Flexural Modulus                        | 23°C | D790 | Kg/cm <sup>2</sup>            |
| Impact Strength (Izod Notch)            | 23°C | D256 | Kg • cm/cm                    |
| Hardness (Rockwell)                     |      | D785 | R scale                       |
| <b>Thermal Property</b>                 |      |      |                               |
| Melting Point                           |      | D789 | °C                            |
| Coefficient of Linear Thermal Expansion |      | D696 | cm/cm/ °C(X10 <sup>-4</sup> ) |
| Heat Distortion Temperature             |      | D648 | °C                            |
| 4.6kg/cm <sup>2</sup>                   |      |      | °C                            |
| 18.6kg/cm <sup>2</sup>                  |      |      | °C                            |
| Flammability                            |      | UL94 | UL 94                         |
| <b>Electrical Property</b>              |      |      |                               |
| Arc Resistance                          | 23°C | D495 | sec                           |
| Dielectric Constant                     | 23°C | D150 | 10 <sup>6</sup> Hz            |
| Dielectric Strength                     | 23°C | D149 | KV/mm                         |

Remark: The information provided in this data sheet is based on Kolon's knowledge and test method, therefore it can not be used as guaranteed specification limits.