

KP 212G30V0BU

PBT compounded resin, G/F 30% reinforced, flame retardant with blue color

| TEST ITEM | ASTM | UNIT | VALUE |
|-----------------------------------------|------|-------------------------------|------------------|
| Physical Property | | | |
| Specific Gravity 23°C | D792 | - | 1.63 |
| Water Absorption | D570 | % | 0.05 |
| Mold Shrinkage 23°C | D955 | % | 0.7 - 1.0 |
| Mechanical Property | | | |
| Tensile Strength 23°C | D638 | Kg/cm ² | 1,350 |
| Tensile Elongation 23°C | D638 | % | 5.0 |
| Flexural Strength 23°C | D790 | Kg/cm ² | 2,100 |
| Flexural Modulus 23°C | D790 | Kg/cm ² | 90,000 |
| Impact Strength (Izod Notch) 23°C | D256 | Kg • cm/cm | 8.0 |
| Hardness (Rockwell) | D785 | R scale | 120 |
| Thermal Property | | | |
| Melting Point | D789 | °C | 224 |
| Coefficient of Linear Thermal Expansion | D696 | cm/cm/ °C(X10 ⁻⁴) | 0.4 |
| Heat Distortion Temperature | D648 | | |
| 4.6kg/cm ² | | °C | 225 |
| 18.6kg/cm ² | | °C | 200 |
| Flammability | UL94 | UL 94 | V0 |
| Electrical Property | | | |
| Arc Resistance 23°C | D495 | sec | 110 |
| Dielectric Constant 23°C | D150 | 10 ⁶ Hz | 3.7 |
| Dielectric Strength 23°C | D149 | KV/mm | 27 |

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.



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