SPESIN®

KOLON PLASTIC BUSINESS TEAM

G/F reinforced, Flame retardant Grade

# KP 212G30V0BL

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

| TEST ITEM | | ASTM | UNIT | VALUE |
|---|---|---|---|---|
| **Physical Property** | | | | |
| Specific Gravity | 23℃ | D792 | - | 1.63 |
| Water Absorption | | D570 | % | 0.05 |
| Mold Shrinkage | 23℃ | D955 | % | 0.7 - 1.0 |
| **Mechanical Property** | | | | |
| Tensile Strength | 23℃ | D638 | Kg/㎠ | 1,350 |
| Tensile Elongation | 23℃ | D638 | % | 5.0 |
| Flexural Strength | 23℃ | D790 | Kg/㎠ | 2,100 |
| Flexural Modulus | 23℃ | D790 | Kg/㎠ | 90,000 |
| Impact Strength (Izod Notch) | 23℃ | D256 | Kg • cm/cm | 8.0 |
| Hardness (Rockwell) | | D785 | R scale | 120 |
| **Thermal Property** | | | | |
| Melting Point | | D789 | ℃ | 224 |
| Coefficient of Linear Thermal Expansion | | D696 | cm/cm/℃(X$10^{-4}$) | 0.4 |
| Heat Distortion Temperature | | D648 | | |
| | 4.6kg/㎠ | | ℃ | 225 |
| | 18.6kg/㎠ | | ℃ | 200 |
| Flammability | | UL94 | UL 94 | V 0 |
| **Electrical Property** | | | | |
| Arc Resistance | 23℃ | D495 | sec | 110 |
| Dielectric Constant | 23℃ | D150 | $10^6$ Hz | 3.7 |
| Dielectric Strength | 23℃ | 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.


API-KOLON
Engineering Plastics

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