

# KOPLA ABS KSG1010

Acrylonitrile Butadiene Styrene

KOPLA Co., Ltd.

## Message:

KOPLA ABS KSG1010 is an Acrylonitrile Butadiene Styrene (ABS) material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA ABS KSG1010: Flame Rated.

Typical applications include:

Containers

Housings

| General Information                                      |               |                   |             |
|--|---------------|-------------------|-------------|
| Filler / Reinforcement                                   | Glass Fiber   |                   |             |
| Uses   | Housings      |                   |             |
|  | Tool/Tote Box |                   |             |
| Physical   | Nominal Value | Unit              | Test Method |
| Specific Gravity   | 1.10          | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm)                       | 0.20 to 0.30  | %                 | ASTM D955   |
| Water Absorption (23°C, 24 hr)                           | 0.30          | %                 | ASTM D570   |
| Hardness   | Nominal Value | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 114           |                   | ASTM D785   |
| Mechanical   | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)                           | 68.6          | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)                         | 3.0           | %                 | ASTM D638   |
| Flexural Modulus (23°C)                                  | 3920          | MPa               | ASTM D790   |
| Flexural Strength (23°C)                                 | 98.1          | MPa               | ASTM D790   |
| Impact   | Nominal Value | Unit              | Test Method |
| Notched Izod Impact                                      | 120           | J/m               | ASTM D256   |
| Thermal  | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 105           | °C                | ASTM D648   |
| Flammability   | Nominal Value |                   | Test Method |
| Flame Rating   | HB            |                   | UL 94       |

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