

# KOPLA PP KPU1015

Polypropylene

KOPLA Co., Ltd.

Message:

KOPLA PP KPU1015 is a Polypropylene material filled with mineral. It is available in Asia Pacific.

Important attributes of KOPLA PP KPU1015 are:

Flame Rated

Good Dimensional Stability

Warp Resistant

Typical application of KOPLA PP KPU1015: Automotive

| General Information                |                             |                   |             |
|------------------------------------|-----------------------------|-------------------|-------------|
| Filler / Reinforcement             | Mineral                     |                   |             |
| Features                           | Good Dimensional Stability  |                   |             |
|                                    | Low Warpage                 |                   |             |
| Uses                               | Automotive Instrument Panel |                   |             |
|                                    | Automotive Under the Hood   |                   |             |
| Physical                           | Nominal Value               | Unit              | Test Method |
| Specific Gravity                   | 1.15                        | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm) | 1.2 to 1.7                  | %                 | ASTM D955   |
| Hardness                           | Nominal Value               | Unit              | Test Method |
| Rockwell Hardness (R-Scale)        | 95                          |                   | ASTM D785   |
| Mechanical                         | Nominal Value               | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)     | 27.5                        | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)   | > 200                       | %                 | ASTM D638   |
| Flexural Modulus (23°C)            | 1180                        | MPa               | ASTM D790   |
| Flexural Strength (23°C)           | 41.2                        | MPa               | ASTM D790   |
| Impact                             | Nominal Value               | Unit              | Test Method |
| Notched Izod Impact                | 98                          | J/m               | ASTM D256   |
| Thermal                            | Nominal Value               | Unit              | Test Method |
| Deflection Temperature Under Load  |                             |                   | ASTM D648   |
| 0.45 MPa, Unannealed               | 145                         | °C                |             |
| 1.8 MPa, Unannealed                | 80.0                        | °C                |             |
| Melting Temperature                | 163                         | °C                |             |
| Flammability                       | Nominal Value               |                   | Test Method |
| Flame Rating                       | HB                          |                   | UL 94       |

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