

# KOPLA PP KPG1090

Polypropylene

KOPLA Co., Ltd.

## Message:

KOPLA PP KPG1090 is a Polypropylene material filled with glass fiber. It is available in Asia Pacific. Primary attribute of KOPLA PP KPG1090: Flame Rated.  
Typical application of KOPLA PP KPG1090: Automotive

| General Information                                      |                             |                   |             |
|----------------------------------------------------------|-----------------------------|-------------------|-------------|
| Filler / Reinforcement                                   | Glass Fiber                 |                   |             |
| Uses                                                     | Automotive Instrument Panel |                   |             |
|                                                          | Automotive Under the Hood   |                   |             |
| Physical                                                 | Nominal Value               | Unit              | Test Method |
| Specific Gravity                                         | 1.23                        | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm)                       | 0.20 to 0.25                | %                 | ASTM D955   |
| Hardness                                                 | Nominal Value               | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 110                         |                   | ASTM D785   |
| Mechanical                                               | Nominal Value               | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)                           | 118                         | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)                         | 4.0                         | %                 | ASTM D638   |
| Flexural Modulus (23°C)                                  | 8340                        | MPa               | ASTM D790   |
| Flexural Strength (23°C)                                 | 181                         | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value               | Unit              | Test Method |
| Notched Izod Impact                                      | 200                         | J/m               | ASTM D256   |
| Thermal                                                  | Nominal Value               | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 160                         | °C                | ASTM D648   |
| Melting Temperature                                      | 163                         | °C                |             |
| Flammability                                             | Nominal Value               |                   | Test Method |
| Flame Rating                                             | HB                          |                   | UL 94       |

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## Recommended distributors for this material

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