

# Caltex PP HLG72

Polypropylene

GS Caltex

Message:

Caltex PP HLG72 is a Polypropylene material filled with long glass fiber. It is available in Asia Pacific.

Typical applications include:

Appliances

Automotive

Electrical/Electronic Applications

| General Information                                      |                         |                   |             |
|--|-------------------------|-------------------|-------------|
| Filler / Reinforcement                                   | Long Glass Fiber        |                   |             |
| Uses   | Appliance Components    |                   |             |
|  | Automotive Applications |                   |             |
|  | Electrical Parts        |                   |             |
| Forms  | Pellets                 |                   |             |
| Physical   | Nominal Value           | Unit              | Test Method |
| Specific Gravity   | 1.04                    | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage  |                         |                   | ASTM D955   |
| Flow   | 0.60                    | %                 |             |
| Across Flow  | 0.60                    | %                 |             |
| Hardness   | Nominal Value           | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 116                     |                   | ASTM D785   |
| Mechanical   | Nominal Value           | Unit              | Test Method |
| Tensile Strength (Yield)                                 | 100                     | MPa               | ASTM D638   |
| Tensile Elongation (Break)                               | 3.4                     | %                 | ASTM D638   |
| Flexural Modulus   | 5390                    | MPa               | ASTM D790A  |
| 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   |
| Additional Information                                   | Nominal Value           | Unit              |             |
| Processing Temperature                                   | 210 to 230              | °C                |             |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

