

Hyundai EP PA66 LD381*

Polyamide 66

HYUNDAI EP Co., Ltd.

Message:

Hyundai EP PA66 LD381* is a Polyamide 66 (Nylon 66) product filled with 38% glass\mineral. It is available in Asia Pacific. Typical application: Automotive.

Characteristics include:

Good Aesthetics

Good Weather Resistance

Heat Stabilizer

| General Information | | | |
|---|------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass\Mineral,38% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| Features | Good Weather Resistance | | |
| | Heat Stabilized | | |
| | Pleasing Surface Appearance | | |
| Uses | Automotive Applications | | |
| | Automotive Under the Hood | | |
| | General Purpose | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.45 | g/cm ³ | ASTM D1505 |
| Molding Shrinkage - Flow | 0.30 to 0.60 | % | ASTM D955 |
| Ash Content | 38 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 121 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 123 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 5.0 | % | ASTM D638 |
| Flexural Modulus | 6860 | MPa | ASTM D790 |
| Flexural Strength | 216 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -30°C | 44 | J/m | |
| 23°C | 64 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 240 | °C | ASTM D648 |
| Melting Temperature | 265 | °C | |
| Electrical | Nominal Value | Unit | Test Method |

| | | | |
|---------------------|--------------------|---------|-----------|
| Volume Resistivity | 1.0E+13 to 1.0E+15 | ohms·cm | ASTM D257 |
| Dielectric Strength | 3.5 | kV/mm | ASTM D149 |

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