

Hyundai EP PA6 LS400

Polyamide 6
HYUNDAI EP Co., Ltd.

Message:

Hyundai EP PA6 LS400 is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific. Typical application: Electrical/Electronic Applications.

Characteristics include:

- Flame Rated
- Flame Retardant
- Halogen Free

| General Information | | | |
|---|------------------------------------|-------------------|-------------|
| Additive | Flame Retardant | | |
| Features | Flame Retardant | | |
| | Halogen Free | | |
| Uses | Electrical/Electronic Applications | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.49 | g/cm ³ | ASTM D1505 |
| Molding Shrinkage - Flow | 0.20 to 0.40 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 55.4 | MPa | ASTM D638 |
| Flexural Modulus | 5500 | MPa | ASTM D790 |
| Flexural Strength | 108 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 44 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 84.0 | °C | ASTM D648 |
| Melting Temperature | 220 | °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 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (3.00 mm) | V-0 | | UL 94 |

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