

# LIHAN® P601EX

Polypropylene

Nanjing Lihan Chemical Co., Ltd.

## Message:

LIHAN® P601EX is a Polypropylene product. It can be processed by injection molding and is available in Asia Pacific. Primary characteristic: flame rated.

| General Information          |                   |                   |             |
|------------------------------|-------------------|-------------------|-------------|
| Forms                        | Pellets           |                   |             |
| Processing Method            | Injection Molding |                   |             |
| Physical                     | Nominal Value     | Unit              | Test Method |
| Density                      | 0.900             | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage            | 1.5 to 2.5        | %                 |             |
| Hardness                     | Nominal Value     | Unit              | Test Method |
| Rockwell Hardness (R-Scale)  | 93                |                   | ISO 2039-2  |
| Mechanical                   | Nominal Value     | Unit              | Test Method |
| Tensile Stress (Break)       | 27.0              | MPa               | ISO 527-2   |
| Flexural Modulus             | 1300              | MPa               | ISO 178     |
| Flexural Stress              | 35.0              | MPa               | ISO 178     |
| Impact                       | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact Strength | 50                | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                      | Nominal Value     | Unit              | Test Method |
| Heat Deflection Temperature  |                   |                   |             |
| 0.45 MPa, Unannealed         | 109               | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed          | 80.0              | °C                | ISO 75-2/A  |
| Melting Temperature          | 160               | °C                | DSC         |
| Electrical                   | Nominal Value     | Unit              | Test Method |
| Dielectric Strength          | 19                | kV/mm             | ASTM D149   |
| Flammability                 | Nominal Value     | Unit              | Test Method |
| Flame Rating (1.59 mm)       | HB                |                   | UL 94       |
| Injection                    | Nominal Value     | Unit              |             |
| Processing (Melt) Temp       | 185 to 210        | °C                |             |

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