

# KOPELEN JM-370

Polypropylene Impact Copolymer

Lotte Chemical Corporation

## Message:

JM-370 is high impact block copolymer which has more ethylene contents than normal block copolymer.

This grade is designed to be processed in conventional Injection molding equipment.

JM-370 shows better impact resistance than normal block copolymer and has good physical property balance.

| General Information                                      |                         |                   |             |
|--|-------------------------|-------------------|-------------|
| UL YellowCard  | E85371-251725           |                   |             |
| Features   | Block Copolymer         |                   |             |
|  | Good Impact Resistance  |                   |             |
| Uses   | Automotive Applications |                   |             |
|  | Industrial Applications |                   |             |
| RoHS Compliance  | RoHS Compliant          |                   |             |
| Processing Method  | Injection Molding       |                   |             |
| Physical   | Nominal Value           | Unit              | Test Method |
| Specific Gravity   | 0.900                   | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 35                      | g/10 min          | ASTM D1238  |
| Mechanical   | Nominal Value           | Unit              | Test Method |
| Tensile Strength (Yield)                                 | 25.5                    | MPa               | ASTM D638   |
| Tensile Elongation (Break)                               | > 50                    | %                 | ASTM D638   |
| Flexural Modulus   | 1270                    | MPa               | ASTM D790   |
| Impact   | Nominal Value           | Unit              | Test Method |
| Notched Izod Impact                                      |                         |                   | ASTM D256   |
| -10°C  | 34                      | J/m               |             |
| 23°C   | 74                      | J/m               |             |
| Thermal  | Nominal Value           | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 105                     | °C                | ASTM D648   |
| Flammability   | Nominal Value           |                   | Test Method |
| Flame Rating   | HB                      |                   | UL 94       |

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