

# SEETEC PP M1700

Polypropylene Impact Copolymer

LG Chem Ltd.

## Message:

### Application

Housewares, Industrial Parts, Washing Machine Tub

### Feature

SÉETEC M1700 is a polypropylene block copolymer controlled rheology for injection molding applications. It exhibits a good balance of stiffness and impact strength. It meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

| General Information                                      |                        |                   |                         |
|--|------------------------|-------------------|-------------------------|
| Features   | Good Impact Resistance |                   |                         |
|  | High Flow              |                   |                         |
| Uses   | Washer                 |                   |                         |
| Agency Ratings   | FDA 21 CFR 177.1520    |                   |                         |
| Processing Method  | Injection Molding      |                   |                         |
| Physical   | Nominal Value          | Unit              | Test Method             |
| Density  | 0.900                  | g/cm <sup>3</sup> | ASTM D1505              |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 40                     | g/10 min          | ASTM D1238              |
| Hardness   | Nominal Value          | Unit              | Test Method             |
| Rockwell Hardness (R-Scale)                              | 90                     |                   | ASTM D785               |
| Mechanical   | Nominal Value          | Unit              | Test Method             |
| Tensile Strength <sup>1</sup> (Yield)                    | 25.0                   | MPa               | ASTM D638               |
| Tensile Elongation <sup>2</sup> (Break)                  | < 100                  | %                 | ASTM D638               |
| Flexural Modulus <sup>3</sup>                            | 1200                   | MPa               | ASTM D790               |
| Impact   | Nominal Value          | Unit              | Test Method             |
| Notched Izod Impact                                      |                        |                   | ASTM D256               |
| -20°C  | 39                     | J/m               |                         |
| 23°C   | 78                     | J/m               |                         |
| Thermal  | Nominal Value          | Unit              | Test Method             |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 105                    | °C                | ASTM D648               |
| Vicat Softening Temperature                              | 152                    | °C                | ASTM D1525 <sup>4</sup> |
| NOTE   |                        |                   |                         |
| 1.   | 50 mm/min              |                   |                         |
| 2.   | 50 mm/min              |                   |                         |
| 3.   | 28 mm/min              |                   |                         |
| 4.   | Loading 1 (10 N)       |                   |                         |

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