

# CALP 4359G

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP 4359G is a Polyolefin product. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

Heat Resistant

High Stiffness

| General Information                                      |                      |                   |                 |
|--|----------------------|-------------------|-----------------|
| Features   | High Heat Resistance |                   |                 |
|  | High Stiffness       |                   |                 |
|  |                      |                   |                 |
| Processing Method  | Injection Molding    |                   |                 |
| Physical   | Nominal Value        | Unit              | Test Method     |
| Specific Gravity   | 1.00                 | g/cm <sup>3</sup> | ASTM D792       |
| Melt Mass-Flow Rate (MFR)                                | 30                   | g/10 min          | ASTM D1238      |
| Molding Shrinkage  |                      |                   | Internal Method |
| Flow : 2.00 mm   | 1.2                  | %                 |                 |
| Across Flow : 2.00 mm                                    | 1.4                  | %                 |                 |
| Hardness   | Nominal Value        | Unit              | Test Method     |
| Rockwell Hardness (R-Scale)                              | 94                   |                   | ASTM D785       |
| Mechanical   | Nominal Value        | Unit              | Test Method     |
| Tensile Strength   | 29.0                 | MPa               | ASTM D638       |
| Tensile Elongation (Break)                               | 10                   | %                 | ASTM D638       |
| Flexural Modulus   | 2330                 | MPa               | ASTM D790       |
| Flexural Strength  | 38.0                 | MPa               | ASTM D790       |
| Impact   | Nominal Value        | Unit              | Test Method     |
| Notched Izod Impact (Area) (23°C)                        | 10.0                 | kJ/m <sup>2</sup> | ASTM D256       |
| Thermal  | Nominal Value        | Unit              | Test Method     |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 125                  | °C                | ASTM D648       |

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