

# LNP™ LUBRICOMP™ Lexan\_LF1010 compound

Polycarbonate

SABIC Innovative Plastics Asia Pacific

## Message:

LNP™ LUBRICOMP™ Lexan\_LF1010 compound is a Polycarbonate (PC) material. It is available in Asia Pacific.

| General Information                                               |                  |                   |                 |
|-------------------------------------------------------------------|------------------|-------------------|-----------------|
| Physical                                                          | Nominal Value    | Unit              | Test Method     |
| Specific Gravity                                                  | 1.34             | g/cm <sup>3</sup> | ASTM D792       |
| Molding Shrinkage - Flow (3.20 mm)                                | 0.30 to 0.40     | %                 | Internal Method |
| Water Absorption (24 hr)                                          | 0.12             | %                 | ASTM D570       |
| Hardness                                                          | Nominal Value    | Unit              | Test Method     |
| Rockwell Hardness (R-Scale)                                       | 124              |                   | ASTM D785       |
| Mechanical                                                        | Nominal Value    | Unit              | Test Method     |
| Tensile Strength (Yield)                                          | 78.5             | MPa               | Internal Method |
| Tensile Elongation (Break)                                        | 10 to 20         | %                 | Internal Method |
| Flexural Modulus                                                  | 3530             | MPa               | ASTM D790       |
| Flexural Strength                                                 | 110              | MPa               | ASTM D790       |
| Impact                                                            | Nominal Value    | Unit              | Test Method     |
| Notched Izod Impact (23°C)                                        | 110              | J/m               | ASTM D256       |
| Thermal                                                           | Nominal Value    | Unit              | Test Method     |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm) | 147              | °C                | ASTM D648       |
| CLTE - Flow (-30 to 30°C)                                         | 4.0E-5 to 5.6E-5 | cm/cm/°C          | ASTM E831       |
| Electrical                                                        | Nominal Value    | Unit              | Test Method     |
| Surface Resistivity                                               | 1.0E+16          | ohms              | ASTM D257       |

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## Recommended distributors for this material

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