



**LNP™ COLORCOMP™ Compound E1000**  
**Europe-Africa-Middle East: COMMERCIAL**

LNP COLORCOMP E1000 is a compound based on Polyetherimide resin.

| TYPICAL PROPERTIES <sup>1</sup>       | TYPICAL VALUE | Unit              | Standard     |
|---------------------------------------|---------------|-------------------|--------------|
| <b>MECHANICAL</b>                     |               |                   |              |
| Tensile Stress, yield, 50 mm/min      | 105           | MPa               | ISO 527      |
| Tensile Stress, break, 50 mm/min      | 85            | MPa               | ISO 527      |
| Tensile Strain, yield, 50 mm/min      | 6             | %                 | ISO 527      |
| Tensile Strain, break, 50 mm/min      | 60            | %                 | ISO 527      |
| Tensile Modulus, 1 mm/min             | 3200          | MPa               | ISO 527      |
| Flexural Stress, yield, 2 mm/min      | 160           | MPa               | ISO 178      |
| Flexural Modulus, 2 mm/min            | 3300          | MPa               | ISO 178      |
| <b>IMPACT</b>                         |               |                   |              |
| Izod Impact, unnotched 80*10*4 +23°C  | NB            | kJ/m <sup>2</sup> | ISO 180/1U   |
| Izod Impact, notched 80*10*4 +23°C    | 5             | kJ/m <sup>2</sup> | ISO 180/1A   |
| <b>THERMAL</b>                        |               |                   |              |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 190           | °C                | ISO 75/Af    |
| <b>PHYSICAL</b>                       |               |                   |              |
| Mold Shrinkage, flow (5)              | 0.6           | %                 | SABIC Method |
| Density                               | 1.27          | g/cm <sup>3</sup> | ISO 1183     |



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| PROCESSING PARAMETERS       | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| <b>Injection Molding</b>    |               |      |
| Drying Temperature          | 150           | °C   |
| Drying Time                 | 4 - 6         | hrs  |
| Maximum Moisture Content    | 0.02          | %    |
| Melt Temperature            | 370 - 410     | °C   |
| Nozzle Temperature          | 350 - 405     | °C   |
| Front - Zone 3 Temperature  | 360 - 415     | °C   |
| Middle - Zone 2 Temperature | 350 - 405     | °C   |
| Rear - Zone 1 Temperature   | 340 - 395     | °C   |
| Hopper Temperature          | 80 - 120      | °C   |
| Mold Temperature            | 140 - 180     | °C   |