



## LNP™ STAT-KON™ Compound WX11322

### Asia Pacific: COMMERCIAL

PBT base, CF+Glass fiber filled, Halogen FR V-0, Low warpage

| TYPICAL PROPERTIES <sup>1</sup>             | TYPICAL VALUE | Unit                | Standard             |
|---------------------------------------------|---------------|---------------------|----------------------|
| <b>MECHANICAL</b>                           |               |                     |                      |
| Tensile Stress, yield                       | 1450          | kgf/cm <sup>2</sup> | SABIC - Japan Method |
| Tensile Strain, break                       | 9             | %                   | SABIC - Japan Method |
| Flexural Stress, yield, 6.4 mm              | 2120          | kgf/cm <sup>2</sup> | ASTM D 790           |
| Flexural Modulus, 6.4 mm                    | 118200        | kgf/cm <sup>2</sup> | ASTM D 790           |
| <b>IMPACT</b>                               |               |                     |                      |
| Izod Impact, notched, 23°C                  | 7             | cm-kgf/cm           | ASTM D 256           |
| <b>THERMAL</b>                              |               |                     |                      |
| HDT, 1.82 MPa, 6.4 mm, unannealed           | 205           | °C                  | ASTM D 648           |
| <b>PHYSICAL</b>                             |               |                     |                      |
| Specific Gravity                            | 1.54          | -                   | ASTM D 792           |
| Mold Shrinkage, flow, 1.5-3.2 mm (5)        | 0.17          | %                   | SABIC Method         |
| Mold Shrinkage, xflow, 1.5-3.2 mm (5)       | 0.55          | %                   | SABIC Method         |
| <b>ELECTRICAL</b>                           |               |                     |                      |
| Surface Resistivity                         | 9.E+07        | Ohm                 | ASTM D 257           |
| <b>FLAME CHARACTERISTICS</b>                |               |                     |                      |
| UL Recognized, 94V-0 Flame Class Rating (3) | 2             | mm                  | UL 94                |



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| PROCESSING PARAMETERS       | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| <b>Injection Molding</b>    |               |      |
| Drying Temperature          | 120           | °C   |
| Drying Time                 | 3 - 4         | hrs  |
| Drying Time (Cumulative)    | 12            | hrs  |
| Maximum Moisture Content    | 0.02          | %    |
| Melt Temperature            | 250 - 265     | °C   |
| Nozzle Temperature          | 245 - 260     | °C   |
| Front - Zone 3 Temperature  | 250 - 265     | °C   |
| Middle - Zone 2 Temperature | 245 - 260     | °C   |
| Rear - Zone 1 Temperature   | 240 - 255     | °C   |
| Mold Temperature            | 65 - 90       | °C   |
| Back Pressure               | 0.3 - 0.7     | MPa  |
| Screw Speed                 | 50 - 80       | rpm  |
| Shot to Cylinder Size       | 40 - 80       | %    |
| Vent Depth                  | 0.025 - 0.038 | mm   |