

**Kalix® 9950 BK 000**

PA\*-GF50

Syensqo

| Processing/Physical Characteristics | Value | Unit  | Test Standard |
|-------------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                    |       |       |               |
| Density, 73°F                       | 1600  | kg/m³ | ASTM D 792    |

| Rheological properties      | Value | Unit | Test Standard   |
|-----------------------------|-------|------|-----------------|
| <b>ISO Data</b>             |       |      |                 |
| Molding shrinkage, parallel | 0.1   | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal   | 0.3   | %    | ISO 294-4, 2577 |

| Mechanical Properties                | Value | Unit  | Test Standard |
|--------------------------------------|-------|-------|---------------|
| <b>ISO Data</b>                      |       |       |               |
| Tensile Modulus                      | 18500 | MPa   | ISO 527       |
| Yield stress                         | 245   | MPa   | ISO 527       |
| Strain at Break                      | 2.3   | %     | ISO 527       |
| Flexural Modulus (23°C)              | 15900 | MPa   | ISO 178       |
| Notched Impact Strength (Izod), 23°C | 15    | kJ/m² | ISO 180/1A    |
| Impact Strength (Izod), 23°C         | 68    | kJ/m² | ISO 180/1U    |

| Thermal Properties                        | Value | Unit  | Test Standard |
|-------------------------------------------|-------|-------|---------------|
| <b>ISO Data</b>                           |       |       |               |
| Temp. of deflection under load (1.80 MPa) | 254   | °C    | ISO 75-1/-2   |
| Temp. of deflection under load (0.45 MPa) | 262   | °C    | ISO 75-1/-2   |
| Burning Behav. at thickness h             | HB    | class | UL 94         |
| Thickness tested                          | 0.6   | mm    | -             |
| <b>ASTM Data</b>                          |       |       |               |
| Melting Temperature                       | 260   | °C    | ASTM D 3418   |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature                    | 80        | °C   | -             |
| Pre-drying - Time                           | 4 - 12    | h    | -             |
| Processing humidity                         | ≤0.09     | %    | -             |
| Melt temperature                            | 285 - 305 | °C   | -             |
| Mold temperature                            | 80 - 120  | °C   | -             |
| Zone 1                                      | 250       | °C   | -             |
| Zone 2                                      | 280       | °C   | -             |

**Characteristics**
**Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

Platable, Impact modified

**Features**

Low Warpage, Soft Feel

**Applications**

Electrical and Electronical