

**KEYFLEX BT 1030D**

TPC

LG Chem

| Processing/Physical Characteristics | Value | Unit    | Test Standard |
|-------------------------------------|-------|---------|---------------|
| <b>ASTM Data</b>                    |       |         |               |
| Melt Flow Index, MFI                | 25    | g/10min | ASTM D 1238   |
| Temperature                         | 230   | °C      | -             |
| Load                                | 2.16  | kg      | -             |
| Mold Shrinkage, MD                  | 0.006 | mm/mm   | ASTM D 955    |

| Mechanical properties                | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| <b>ASTM Data</b>                     |       |      |               |
| Tensile Strength at Break            | 21.6  | MPa  | ASTM D 638    |
| Elongation at Break                  | 850   | %    | ASTM D 638    |
| Shore A Hardness                     | 80    | -    | ASTM D 2240   |
| Shore D Hardness                     | 28    | -    | ASTM D 2240   |
| Izod Impact notched, 1/4 in          | N     | J/m  | ASTM D 256    |
| Izod Impact notched, Low-Temperature | N     | J/m  | ASTM D 256    |
| Temperature                          | -40   | °C   | -             |

| Thermal properties  | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| <b>ASTM Data</b>    |       |      |               |
| Melting Temperature | 165   | °C   | ASTM D 3418   |

| Electrical properties      | Value | Unit | Test Standard |
|----------------------------|-------|------|---------------|
| <b>ISO Data</b>            |       |      |               |
| Comparative tracking index | 600   | -    | IEC 60112     |

| Other properties       | Value | Unit              | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.8   | %                 | ASTM D 570    |
| Density                | 1070  | kg/m <sup>3</sup> | ASTM D 792    |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 80 - 90   | °C   | -             |
| Pre-drying - Time                           | 3 - 4     | h    | -             |
| Processing humidity                         | ≤0.01     | %    | -             |
| Melt temperature                            | 170 - 210 | °C   | -             |
| Mold temperature                            | 10 - 35   | °C   | -             |
| Zone 1                                      | 175 - 195 | °C   | -             |
| Zone 2                                      | 185 - 205 | °C   | -             |
| Zone 3                                      | 195 - 215 | °C   | -             |
| Nozzle temperature                          | 195 - 215 | °C   | -             |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature            | 80 - 90   | °C   | -             |
| Pre-drying - Time                   | 3 - 4     | h    | -             |
| Processing humidity                 | ≤0.01     | %    | -             |
| Melt temperature                    | 170 - 210 | °C   | -             |
| Zone 1                              | 165 - 185 | °C   | -             |
| Zone 2                              | 175 - 195 | °C   | -             |
| Zone 3                              | 185 - 205 | °C   | -             |
| Zone 4                              | 185 - 205 | °C   | -             |
| Nozzle temperature                  | 175 - 215 | °C   | -             |

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Applications**

Automotive, General Purpose

**Features**

Soft Feel

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America