

**KEYFLEX BT 1028D**

TPC

LG Chem

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

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Break	<b>19.6</b>	MPa	ASTM D 638
Elongation at Break	<b>900</b>	%	ASTM D 638
Shore A Hardness	<b>75</b>	-	ASTM D 2240
Shore D Hardness	<b>25</b>	-	ASTM D 2240
Izod Impact notched, 1/4 in	<b>N</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>N</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
Melting Temperature	<b>155</b>	°C	ASTM D 3418

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

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.8</b>	%	ASTM D 570
Density	<b>1050</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80 - 90</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.01</b>	%	-
Melt temperature	<b>160 - 200</b>	°C	-
Mold temperature	<b>10 - 35</b>	°C	-
Zone 1	<b>170 - 190</b>	°C	-
Zone 2	<b>180 - 200</b>	°C	-
Zone 3	<b>190 - 210</b>	°C	-
Nozzle temperature	<b>190 - 210</b>	°C	-

<b>Processing Recommendation Extrusion</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>3 - 4</b>	°C	-
Pre-drying - Time	<b>0.01</b>	h	-
Melt temperature	<b>160 - 200</b>	°C	-
Zone 1	<b>160 - 180</b>	°C	-
Zone 2	<b>170 - 190</b>	°C	-
Zone 3	<b>180 - 200</b>	°C	-
Zone 4	<b>180 - 200</b>	°C	-
Nozzle temperature	<b>170 - 210</b>	°C	-

**Characteristics**

## KEYFLEX BT 1028D

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### Processing

Injection Molding, Other Extrusion

### Features

Soft Feel

### Applications

Automotive, General Purpose

### Regional Availability

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