

KEYFLEX BT 1035D

TPC

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
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
ASTM Data			
Tensile Strength at Break	19.6	MPa	ASTM D 638
Elongation at Break	750	%	ASTM D 638
Shore A Hardness	88	-	ASTM D 2240
Shore D Hardness	33	-	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
ASTM Data			
Melting Temperature	165	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1110	kg/m ³	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	165 - 205	°C	-
Mold temperature	10 - 35	°C	-
Zone 1	170 - 190	°C	-
Zone 2	180 - 200	°C	-
Zone 3	190 - 210	°C	-
Nozzle temperature	190 - 210	°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	165 - 205	°C	-
Zone 1	170 - 190	°C	-
Zone 2	180 - 200	°C	-
Zone 3	180 - 200	°C	-
Zone 4	190 - 210	°C	-
Nozzle temperature	180 - 220	°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