

KEYFLEX BT 3140D

TPC

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	29.4	MPa	ASTM D 638
Elongation at Break	700	%	ASTM D 638
Flexural Modulus	53.96	MPa	ASTM D 790
Shore A Hardness	90	-	ASTM D 2240
Shore D Hardness	36	-	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	150	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	26	kV/mm	ASTM D 149
Volume Resistivity	1E16	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1160	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	150 - 200	°C	-
Mold temperature	10 - 35	°C	-
Zone 1	160 - 180	°C	-
Zone 2	170 - 190	°C	-
Zone 3	180 - 200	°C	-
Nozzle temperature	180 - 200	°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	150 - 200	°C	-
Zone 1	160 - 180	°C	-
Zone 2	170 - 190	°C	-
Zone 3	180 - 200	°C	-
Zone 4	180 - 200	°C	-
Nozzle temperature	170 - 210	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Regional Availability

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

Applications

Electrical and Electronical