

Vitane LFC 9585

TPU

geba Kunststoffcompounds GmbH

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	25	MPa	ISO 37
Strain at break	480	%	ISO 37
Shore A hardness	85	-	ISO 7619-1
Other Standards^[S]			
Stress at 10% elongation	0.35	MPa	DIN 53504
Stress at 100% elongation	9.5	MPa	DIN 53504

S: These properties are reported by the producer according standards that are different to our defaults.

Electrical properties	Value	Unit	Test Standard
Other Standards^[S]			
Volume resistivity	1E9	Ohm*m	IEC 60093
Surface resistivity	1E12	Ohm	IEC 60093

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1100	kg/m ³	ISO 1183

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	220	°C	ISO 294
Injection Molding, mold temperature	60	°C	ISO 294

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<80	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	210 - 230	°C	-
Mold temperature	40 - 80	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	210 - 220	°C	-
Zone 2	210 - 220	°C	-
Zone 3	220 - 230	°C	-
Nozzle temperature	220 - 230	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Natural Color

Special Characteristics

Increased electrical conductivity

Chemical Resistance

Oil Resistance

Certifications

Food contact

Applications

Electrical and Electronical, Packaging

Regional Availability

Europe