

**Vitane R 3906**

TPU-GF10

geba Kunststoffcompounds GmbH

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	750	MPa	ISO 527
Flexural strength	28.5	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	65	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	65	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	5.6	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	62	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1290	kg/m <sup>3</sup>	ISO 1183

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
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

**Features**

Acoustical Barrier Properties, Good Adhesion, Thermal Stability

**Chemical Resistance**

Oil Resistance

**Applications**

Automotive, Sports Equipment

**Regional Availability**

Europe