

Vitane R 3906

TPU-GF10

geba Kunststoffcompounds GmbH

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	750	MPa	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	65	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	65	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	5.6	kJ/m ²	ISO 179/1eA
Flexural strength	28.5	MPa	ISO 178
Shore Hardness D (15s)	62	-	ISO 868

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1290	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

Chemical Resistance

Oil Resistance

Features

Acoustical Barrier Properties, Good Adhesion, Thermal Stability

Applications

Automotive, Sports Equipment

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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