

Vitane R 3926

TPU-GF20

geba Kunststoffcompounds GmbH

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Strain at break	14	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Flexural modulus	5800	MPa	ISO 178
Flexural modulus temperature	-30	°C	-
Flexural strength	75	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	35	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m ²	ISO 179/1eA
Shore D hardness	72	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	1370	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	100	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	210 - 240	°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	230 - 240	°C	-

Characteristics**Processing**

Injection Molding

Features

Acoustical Barrier Properties, Good Adhesion, Thermal Stability

Chemical Resistance

Oil Resistance

Applications

Automotive, Sports Equipment

Regional Availability

Europe