

TECNOPRENE® AK4U1

TECNOPRENE®

Polypropylene, homopolymer, 20% glass fiber reinforced, chemically coupled, UV stabilised.

Product information

Resin Identification	PP-GF20	ISO 1043
Part Marking Code	>PP-GF20<	ISO 11469

Rheological properties

Melt mass-flow rate	3.7 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile modulus	4600 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	70 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	3.5 %	ISO 527-1/-2
Flexural modulus	4300 MPa	ISO 178
Flexural strength	110 MPa	ISO 178
Charpy notched impact strength, 23 °C	11 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23 °C	11 kJ/m ²	ISO 180/1A
Poisson's ratio	0.36 ^[C]	
[C]: Calculated		

Thermal properties

Temperature of deflection under load, 1.8 MPa	141 °C	ISO 75-1/-2
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Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Burning Behav. at thickness h	HB class	IEC 60695-11-10
Thickness tested	3.2 mm	IEC 60695-11-10

Physical/Other properties

Density	1040 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
Special characteristics	U.V. stabilised or stable to weather

Additional information

Processing Notes

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

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Automotive

OEM
VW Group

STANDARD
VW 44045

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