

TECNOPRENE® AK7HCT BLACK 900 - PP

Description

High crystallinity polypropylene homopolymer reinforced with 35% chemically coupled glass fiber, high heat stabilization. (PP-GF35)

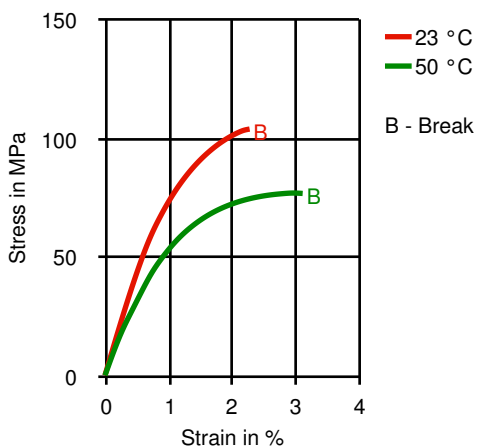
Physical properties	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183
Melt flow rate, MFR	2	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	8400	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	100	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	3	%	ISO 527-2/1A
Flexural modulus, 23°C	8100	MPa	ISO 178
Flexural strength, 23°C	170	MPa	ISO 178
Charpy notched impact strength, 23°C	12	kJ/m ²	ISO 179/1eA

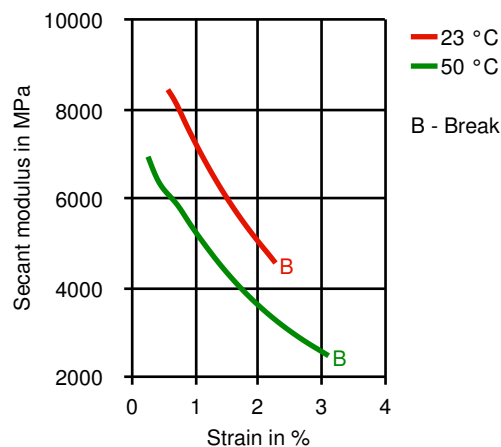
Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	152	°C	ISO 75-1, -2
Flammability at thickness h	HB	class	UL 94
thickness tested (h)	3.20	mm	UL 94

Diagrams

Stress-strain

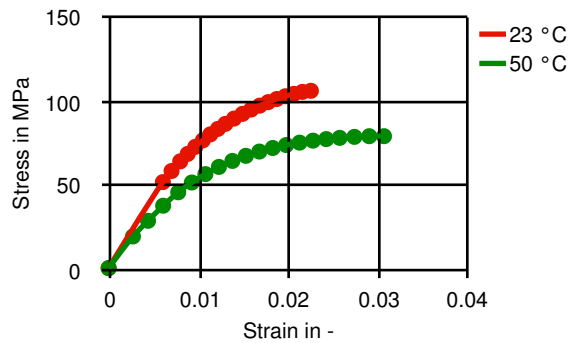


Secant modulus-strain



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True Stress-strain



Typical injection moulding processing conditions

Pre Drying		Value	Unit	Test Standard
Drying time		2	h	-
Drying temperature		80	°C	-
Temperature		Value	Unit	Test Standard
Zone1 temperature		220	°C	-
Zone2 temperature		240	°C	-
Zone3 temperature		250	°C	-
Mold temperature		50 - 70	°C	-

Other text information

Longer pre-drying times/storage

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

Characteristics

Product Categories

Glass reinforced

Processing

Injection molding