Celanese
The chemistry inside innovation™

TECNOPRENE® HK3T1LE NERO900 - PP

Experimental Grade. Please contact your Celanese representative for further information.

Description

Polypropylene, homopolymer, 15% glass fiber reinforced, chemically coupled, high heat stabilisation, low emission.

Physical properties	Value	Unit	Test Standard
Density	**1010**	kg/m³	ISO 1183
Melt flow rate, MFR	**10**	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	**3900**	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	**58**	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	**4**	%	ISO 527-2/1A
Flexural modulus, 23°C	**3300**	MPa	ISO 178
Flexural strength, 23°C	**92**	MPa	ISO 178
Charpy impact strength, 23°C	**40**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	**7**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	**128**	°C	ISO 75-1, -2
Flammability @1.6mm nom. thickn.	**HB**	class	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	**2 - 3**	h	-
Drying temperature	**80 - 100**	°C	-
Temperature	**Value**	**Unit**	**Test Standard**
Zone1 temperature	**200 - 220**	°C	-
Zone2 temperature	**220 - 240**	°C	-
Zone3 temperature	**240 - 260**	°C	-
Nozzle temperature	**240 - 260**	°C	-
Mold temperature	**50 - 80**	°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	Processing
Low emission, Glass reinforced	Injection molding