

TECNOPRENE® 3K6ELV0 BLACK 900 - PP

Description

PP copolymer, 30% glass fiber reinforced, chemical bonded, elastomer modified, V0

Physical properties	Value	Unit	Test Standard
Density	1460	kg/m ³	ISO 1183
Melt flow rate, MFR	3.4	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	6700	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	54	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	3	%	ISO 527-2/1A
Flexural modulus, 23°C	6700	MPa	ISO 178
Flexural stress at 3.5% strain	88	MPa	ISO 178
Charpy notched impact strength, 23°C	20	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	115	°C	ISO 75-1, -2
Flammability @1.6mm nom. thickn.	V-0	class	UL 94
UL recognition (1.6)	UL	-	UL 94
Flammability 5V at thickness h	5VA	class	UL 94
thickness tested (5V)	2.5	mm	UL 94
UL recognition (5V)	UL	-	UL 94

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	190	°C	-
Zone2 temperature	210	°C	-
Zone3 temperature	230	°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.