

TECNOPRENE® 3K6ELV0 - PP

Description

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

Physical properties	Value	Unit	Test Standard
Density	91.1	lb/ft ³	ISO 1183
Melt flow rate, MFR	3.4	g/10min	ISO 1133
MFR temperature	446	°F	ISO 1133
MFR load	4.76	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	971755	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	7830	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	3	%	ISO 527-1, -2
Flexural modulus, 23°C	972000	psi	ISO 178
Flexural stress at 3.5% strain	12800	psi	ISO 178
Charpy notched impact strength, 23°C	9.51	ft-lb/in ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	239	°F	ISO 75-1, -2
Flammability @1.6mm nom. thickn.	V-0	class	UL 94
Flammability @3.2mm nom. thickn.	V-0	class	UL 94
UL recognition (3.2)	UL	-	UL 94
Flammability 5V at thickness h	5VA	class	UL 94
thickness tested (5V)	0.1	in	UL 94
UL recognition (5V)	UL	-	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	2	h
Drying temperature	176	°F

Temperature	Value	Unit
Zone1 temperature	374	°F
Zone2 temperature	410	°F
Zone3 temperature	446	°F
Mold temperature	122 - 158	°F

Other text information

Longer pre-drying times/storage

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

