

TECNOPRENE® 3FK4HELU - PP

Description

Elastomer modified polypropylene copolymer, glass fiber reinforced, chemically coupled, UV stabilised, scratch resistant

Physical properties	Value	Unit	Test Standard
Density	1010	kg/m ³	ISO 1183
Melt flow rate, MFR	3	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	2000	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	32	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	20	%	ISO 527-2/1A
Flexural modulus, 23°C	1800	MPa	ISO 178
Flexural strength, 23°C	35	MPa	ISO 178
Charpy impact strength, 23°C	>80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	43	kJ/m ²	ISO 179/1eA
Izod impact unnotched, 23°C	45	kJ/m ²	ISO 180/1U

Mechanical properties (TPE)	Value	Unit	Test Standard
Shore D hardness, 15s	51	-	ISO 868

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	78	°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

Special Characteristics

UV resistant

Processing

Injection molding

Product Categories

Glass reinforced, Impact modified