

TECNOPRENE® 3FK5HELU - PP

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

Description

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

Physical properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Melt flow rate, MFR	3.5	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile stress at yield, 50mm/min	35	MPa	ISO 527-2/1A
Tensile strain at break, 50mm/min	15	%	ISO 527-2/1A
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength, 23°C	40	MPa	ISO 178
Charpy notched impact strength, 23°C	45	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	53	-	ISO 868

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	80	°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	Processing
UV resistant	Injection molding

Product Categories

Glass reinforced, Impact modified