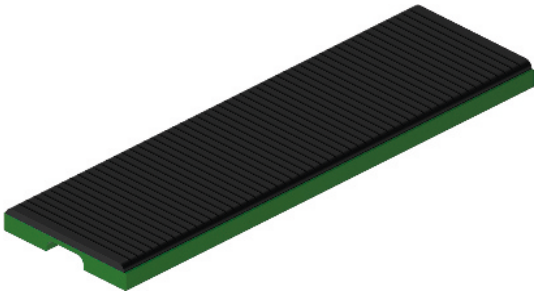
Roto Glas-Tec | GL-UK

Product data sheet



Description GL-UK
Dimensions See Roto Fix&Glazing catalogue (CTL_15)
Application Glazing block for glazing of windows and doors
Application area High-quality insulating glass such as bulletproof glass, laminated safety glass, sound insulation and sun protection glass
Raw material PP-B (polypropylene) / TPE (thermoplastic elastomer)

Material properties

	PP-B (polypropylene)	TPE (thermoplastic elastomer)	Test procedure
Modulus of elasticity	1550 MPa	15 MPa	ISO 178
Density	0.905 g/cm³	0.970 g/cm³	ISO 1183
Hardness	63 Shore D	78 Shore A	ISO 868
Permissible yield stress σ	29 MPa	–	ISO 527-2
Tensile strength type 2	–	3.6 MPa	ISO 37
Min. temperature	-30 °C	-30 °C	–
Max. temperature	+100 °C	+125 °C	–
Compressive load	62 MPa	–	ISO 2039-1
Thermal conductivity λ	0.22 W/mK	–	ISO 22007
Halogen-free	Yes	Yes	–
Resistance to plasticisers	Yes	Yes	–
Toxicity in fires	Formation of CO / CO_2 is very likely	Formation of CO / CO_2 is very likely	–
Fire behaviour	V2	V2	UL 94
UV resistance	Yes	Yes	–
Construction material class	Class B 2	Class B 2	DIN 4102-1

Product characteristics

		Test procedure
Breaking load / pressure deformation behaviour	1325 kg (-20 °C) 917 kg (+23 °C) 306 kg (+80 °C)	ift Rosenheim
Material compatibility	Tested edge composite materials available upon request	ift guideline VE-05/01

Additional information

		Associated documents
REACH	Compliant	Available upon request