


material specification

s-mart TEXGRA

(polyester fabric reinforced polyester resin with graphite filler)

	property	unit	value
	color		● grey
	durometer hardness	Shore D	67 - 77
	density	g/cm ³	1,3
	tensile strength	N/mm ²	55
	compressive strength		
	normal to laminate	N/mm ²	413 (unbroken)
	parallel to laminate		165 (unbroken)
	moisture absorption	%	< 0,1
	coefficient of friction (dry)		0,13 - 0,15
	minimum service temperature	°C	- 40
	maximum service temperature	°C	120
	(in water)		(100)

the mentioned data are only valid for test pieces of the corresponding ISO, DIN and ASTM standards and cannot be directly related to gaskets and joints. the values which are marked with the symbols greater than (\geq) and smaller than (\leq) are nominal values and must be fulfilled of each batch. all values which are not marked are typical values which are only tested on selected samples.