

material specification

s-mart GPU 72D black

(polyurethane, 72 shore D , casted polyurethane)

property	condition	unit	value	standard
color			● black	
hardness	23° C	Shore D	70 ± 3	ISO 868
modulus 100 %	23° C	MPa	30	DIN 53 504
tensile strength	23° C	MPa	50	DIN 53 504
elongation at break	23° C	%	150	DIN 53 504
tear strength	23° C	kN/m	110	DIN ISO 34-1 methode B
spec. gravity	23° C	g/cm ³	1,21	ISO 1183
minimum service temperature		°C	-20	
maximum service temperature		°C	110	

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.

copolymer, based on aromatic isocyanate and diols
 resistant to: oil, petrol, hot water, hot air, ozone
 not resistant to: conc. acids, conc. lyes, conc. alcohols and aromatic solvents
 turnability: good
 tool-abrasion: medium