

Technical data for PUR (polyurethane, solid cast)

	Test norm	Unit	PUR casted
Volume weight approx.	(DIN 53420)	kg/m ³	1000-1300
Hardness Shore	(DIN 53505)		A 50 - D 87
Tensile strength (R break)	(DIN 53455)	N/mm ²	2 - 45
E-Module	ISO 178	MPa	1200-1500
Flexural strength	ISO 178	MPa	20-60
Compressive strength	ISO 604	MPa	40-50
Temperature resistance up to		°C	> 90
Heat resistance	(DIN 53461)	°C	to 80° C
Shrinkage		%	<0.4
Water absorption during water storage	ISO 62	%	1.5 - 3.0
Thermal conductivity	DIN 52 612	W/km	0.245
Operating temperature		°C	-60 bis 80
Electr. dielectric strength	IEC 60243-1	kv/mm	15
Tracking resistance CTI	IEC 60112		600
Surface resistance	IEC 60113	Ohm	10 ¹³
Impact resistance		kJ/m ²	20-30
Elongation at fracture	(DIN 53455)	%	40-800
Wall thicknesses			2-35 mm
max. temperature short term		°C	120
min. Application temperature		°C	-40
Fire behaviour	UL 94 V0		reached