

TECHNICAL DATA

PE-T

Polyethylene, cellfoam with closed cells

PROPERTY	METHOD	UNIT	POLYETHYLENE N grade						
Density	DIN 53420/ ISO 0845	kg/m ³	30	50	70	90	130	180	200
Tensile strength	DIN 53571	N/cm ²	28	47	69	91	127	180	201
Elongation	DIN 53571	%	157	188	196	204	209	228	235
Tear resistance	DIN 53575	N/mm	1,39	2,38	3,69	5,01	8,35	10,34	11,13
Compressive strength	DIN 53577	kPa	73	93	126	159	174	262	297
Thermal conductivity, +10°C	DIN 53612/ ISO 8301	W/(Km)	0,038	0,041	0,045	0,048	0,056	0,067	0,071
Water absorption, 24 hours	DIN 53428/ ISO 2896	vol-%	<1,0	<1,1	<1,0	<1,1	<1,0	<1,0	<1,0
Water vapour transmission	DIN 53429/ ISO 1663	g/(m ² d)	1,55	1,2	0,85	0,5	0,39	0,25	0,2
Coefficient of vapour diffusion resistance	DIN 53429/ ISO 1663		2500	3300	8150	13000	16273	20364	22000
Recommended working temperature		°C				-50 ... +95			

The technical data represents typical values and should not to be understood as specification values.

The above data should only be used as a guideline. For applications which involve special demands separate testing and evaluation should be performed before choosing the correct material. Tolerance norms for dimensional accuracy are supplied on a separate data sheet.