

Data Sheet



Polydek-Eco - Recycled Polyethylene Sheet with Grip Layer



Raw Material

Board: Recycled Polyethylene (PE) - Black

Grip Layer: Virgin Thermoplastic Elastomer (TPE) - Grey UV-stabilised

Dimensions

Sheet Size: 2440 x 1220 mm Standard

(3000 x 1500 mm Special Request)

Thickness: Smooth 15 mm / Button 18 mm

Tolerances

Thickness: +/- 0.5 mm

Length x Width: +/- 10 mm

Squareness: -0/+5 mm

Flatness: -0/+5 mm/mtr

Chemical and Physical Resistance

The chemical and physical resistance of these products to acids, bases and salt solutions, is very good.

In special cases, please contact us, especially for solvents.

Mechanical Properties (at 23 degrees C)		PE Board		TPE Grip Layer	
E-modulus	DIN 53457	N/mm ²	700	150	
Tensile strength	DIN 53455	N/mm ²	20	10	
Elongation at break	DIN 53455	%	50	300	
Impact strength	DIN 53453	kJ/m ²	no break	no break	
Coefficient of friction Dry	NEN 7909	-	0.2	0.98 Smooth / 0.56 Button	
Hardness	DIN 53505	Shore	55 Sh.D	75 Sh.A	
Density	DIN 53479	kg/m ³	950	950	
Absorption of moisture %	DIN 53495	%	< 0.03	< 0.03	
Fire test	DIN 4102	-	B2	B2	
Thermal Properties					
Softening temperature, vicat A/50 (10N)	DIN 53460	°C	115	80	
Min./max. service temperature	-	°C	-10 up to 70	-10 up to 70	
Linear expansion	DIN 53752	mm/m/10°C	2	2	
Coefficient of heat conductivity	DIN 52612	W/m.K	0,36	0,36	
Electrical Properties					
Breakdown voltage	DIN 53481	kV/mm	> 60	> 60	
Volume resistance	DIN 53482	Ohm	> 10 ¹³	> 10 ¹³	
Dielectric constant value	DIN 53483	-	2,4	2,25	

All information may vary as a result of working methods, aggregates, environmental influences etc. In case of recycled materials, wider tolerances on the properties can occur. All details are given without liability on our part. In case of doubt, contact us for your specific application.