

TECHNICAL DATASHEET EKOBORD Recycled



			LDPE-E	F-CE	HDPE-C	PP-Reg
			Recycled LDPE	Recycled MDPE-Compound	Recycled HDPE	Recycled PP-H / PP-C Mix
MECHANICAL PROPERTIES (at 23°C)						
E-modulus	DIN 53457	N/mm ²	350	700	1000	1300
Tensile strength	DIN 53455	N/mm ²	11	20	24	28
Elongation at break	DIN 53455	%	100	50	200	10
Impact strength, Charpy unnotched 23°	DIN 53453	kJ/m ²	no break	no break	no break	5
Coefficient of friction vs. steel (dry)	-	-	0,3	0,2	0,15	0,2
Hardness	DIN 53505	shore D	45	55	63	70
Density	DIN 53479	kg/m ³	940	950	960	920
Absorption of moisture	DIN 53495	%	< 0,03	< 0,03	< 0,03	< 0,03
Fire test	DIN 4102	-	B2	B2	B2	B2
THERMAL PROPERTIES						
Softening temperature, vicat A/50 (10N)	DIN 53460	°C	110	115	130	151
Min./max. service temperature	-	°C	-10 up to 70	-10 up to 70	-10 up to 80	0 up to 95
Linear expansion	DIN 53752	mm/m/10°C	2	2	1,8	1,6
Coefficient of heat conductivity	DIN 52612	W/m.K	0,35	0,36	0,4	0,22
ELECTRICAL PROPERTIES						
Breakdown voltage	DIN 53481	kV/mm	> 60	> 60	> 60	> 60
Volume resistance	DIN 53482	Ohm	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³
Diëlectric constant value	DIN 53483	-	2,4	2,4	2,4	2,25
CHEMICAL AND PHYSICAL RESISTANCE						

The chemical and physical resistance of these products to acids, leyes and salt solutions, is generally spoken very good.
In special cases, please contact us, especially for solvents.

All informations given in this brochure are indications and 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.

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