



				EKOPROTECT		
				EKOBAND-LDPE	EKOBAND-HDPE	EKOBOARD-FP
EKON GRADE				LDPE	HDPE	PE Compound
Raw material				Recycled	Recycled	Recycled
EXECUTION						
Thickness				1 - 5 mm	1 - 3 mm	6 - 18 mm
Standard colours				Green Red Red/brown Yellow	Black	Black Black/Red Black/Green Black/Yellow Black/Blue
Surface				Smooth	Smooth	Smooth Smooth/Diamond
Text and identification				Possible	Possible	Possible
STANDARDS						
Comes up to functional requirements according to standards				BS 2484 DIN 54841-5 ÖNORM E 6530 Elektrizitätswirtschaft Jg. 73 (1974) Heft 8		
				EKOBAND-LDPE	EKOBAND-HDPE	EKOBOARD-FP
				LDPE	HDPE	PE Compound
				Recycled	Recycled	Recycled
MECHANICAL PROPERTIES (at 23°C)						
E-modulus	DIN 53457	N/mm ²	350	1000	650	
Tensile strength	DIN 53455	N/mm ²	11	27	16	
Elongation at break	DIN 53455	%	300	400	150	
Impact strength, Charpy unnotched 23°	DIN 53453	kJ/m ²	no break	no break	no break	
Coefficient of friction vs. steel (dry)	-	-	0,3	0,15	0,25	
Hardness	DIN 53505	shore D	45	63	50	
Density	DIN 53479	kg/m ³	940	960	950	
Absorption of moisture	DIN 53495	%	< 0,03	< 0,03	< 0,03	
Fire test	DIN 4102	-	B2	B2	B2	
THERMAL PROPERTIES						
Softening temperature, vicat A/50 (10N)	DIN 53460	°C	110	130	115	
Min./max. service temperature	-	°C	-20 up to 70	-20 up to 80	-20 up to 70	
Linear expansion	DIN 53752	mm/m/10°C	2	1,8	2	
Coefficient of heat conductivity	DIN 52612	W/m.K	0,35	0,4	0,35	
ELECTRICAL PROPERTIES						
Breakdown voltage	DIN 53481	kV/mm	> 60	> 60	> 60	
Volume resistance	DIN 53482	Ohm	> 10 ¹³	> 10 ¹³	> 10 ¹³	
Dielectric constant value	DIN 53483	-	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.