

DATASHEET EKOSHEET Slipsheets & Separation sheets



			EKOSHEET				
EKON GRADE			LDPE	F-CE	HDPE-C	PP-C	PP-H
Raw material			LDPE Recycled	PE-Compound Recycled	HDPE Recycled	PP-Copolymer Recycled/Virgin	PP-Homopolymer Virgin
EXECUTION			LDPE	F-CE	HDPE-C	PP-C	PP-H
Colour			Black	Black	Black	Black	Black
			Other colours on request.	Other colours on request.	Other colours on request.	Other colours on request.	Other colours on request.
Dimensions:							
Thickness			1,5 - 5 mm	1,25 - 5 mm	1 - 5 mm	0,8 - 5 mm	1,0 - 5 mm
Length			According to your specs.	According to your specs.	According to your specs.	According to your specs.	According to your specs.
Width			Max. 1500 mm	Max. 1500 mm	Max. 1500 mm	Max. 2200 mm	Max. 2200 mm
Surface			Smooth	Smooth	Smooth	Smooth	Smooth
Option upper side						Grain structure	Grain structure
Application			One-way or multiple use slipsheet	One-way or multiple use slipsheet	One-way or multiple use slipsheet	One-way or multiple use slipsheet	Separation sheet
OPTIONS			LDPE	F-CE	HDPE-C	PP-C	PP-H
Antislip on 1 or 2 sides				x	x		
Tab			x	x	x	x	
Rounded corners			x	x	x	x	x
Text or logo			x	x	x		
MECHANICAL PROPERTIES (at 23°C)			LDPE	F-CE	HDPE-C	PP-C	PP-H
E-modulus	DIN 53457	N/mm ²	350	700	1000	1200	1400
Tensile strength	DIN 53455	N/mm ²	11	20	24	30	31
Elongation at break	DIN 53455	%	100	50	200	>400	>400
Impact strength, Charpy unnotched 23°	DIN 53453	kJ/m ²	no break	no break	no break	no break	no break
Coefficient of friction vs. steel (dry)	-	-	0,3	0,2	0,15	0,2	0,2
Hardness	DIN 53505	shore D	45	55	63	66	72
Density	DIN 53479	kg/m ³	940	950	960	920	920
Absorption of moisture	DIN 53495	%	< 0,03	< 0,03	< 0,03	< 0,03	< 0,03
Fire test	DIN 4102	-	B2	B2	B2	B2	B2
THERMAL PROPERTIES			LDPE	F-CE	HDPE-C	PP-C	PP-H
Softening temperature, vicat A/50 (10N)	DIN 53460	°C	110	115	130	147	151
Min./max. service temperature	-	°C	-10 up to 70	-10 up to 70	-10 up to 80	-10 up to 95	-10 up to 100
Linear expansion	DIN 53752	mm/m/10°C	2	2	1,8	1,6	1,6
Coefficient of heat conductivity	DIN 52612	W/m.K	0,35	0,36	0,4	0,22	0,22
ELECTRICAL PROPERTIES			LDPE	F-CE	HDPE-C	PP-C	PP-H
Breakdown voltage	DIN 53481	kV/mm	> 60	> 60	> 60	> 60	> 60
Volume resistance	DIN 53482	Ohm	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³
Dielectric constant value	DIN 53483	-	2,4	2,4	2,4	2,25	2,25
CHEMICAL AND PHYSICAL RESISTANCE			LDPE	F-CE	HDPE-C	PP-C	PP-H

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.