

PRODUCT INFORMATION

GND POLYPROP

PRODUCT DESCRIPTION

GND is a transparent, two-side heat-sealable, one side treated OPP film. Uniform high quality allows for a wide use on a variety of processing and packaging machines.

PRODUCT FEATURES

- Excellent transparency
- Consistent slip
- Corona-treated side contributes to improve printing and lamination
- Low water vapour permeability
- High seal integrity

TECHNICAL DATA (typical values)

Properties	GND 15	GND 20	GND 25	GND 30	GND 35	GND 40	GND 50	UNIT	Measuring method
Unit weight	13.7	18.2	22.7	27.3	31.8	36.4	45.5	g/m ²	ISO 4591
Average yield	73.2	54.9	44.0	36.6	31.4	27.5	22.7	m ² /kg	ISO 4591
Tensile strength:									
- Machine direction	130	130	130	130	130	130	130	N/mm ²	DIN EN ISO 527-1/-3
- Transverse direction	300	300	300	300	300	300	300	N/mm ²	DIN EN ISO 527-1/-3
Elongation at break:									
- Machine direction	220	220	220	220	220	220	220	%	DIN EN ISO 527-1/-3
- Transverse direction	55	55	55	55	55	55	55	%	DIN EN ISO 527-1/-3
Heat-seal strength	2.0	2.0	2.0	2.0	2.5	2.5	2.5	N/15mm	Treofan
Heat-seal range (untreated)	110-140	110-140	110-140	110-140	110-140	110-140	110-140	°C	Treofan
Coefficient of friction									
- (film/film)(treated)(dynamic)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-	DIN ISO 8295
- (film/film)(untreated)(dynamic)	0.35	0.35	0.35	0.35	0.35	0.35	0.35	-	DIN ISO 8295
Surface tension treated side	>=36*	>=36*	>=36*	>=36*	>=36*	>=36*	>=36*	mN/m	DIN ISO 8296
Gloss – at 20° (treated side)	90	90	90	90	90	90	90	Gloss unit	DIN ISO 2813
Haze	1.8	1.8	1.8	2.2	2.2	2.2	2.2	%	ASTM D 1033
Water vapour permeability									
- 23°C / 85% r.h.	1.8	1.4	1.1	0.9	0.8	0.7	0.6	g/(m ² d)±10%	ASTM F 1249
- 38°C / 90% r.h.	9.2	6.8	5.5	4.6	4.0	3.5	2.8	g/(m ² d)±10%	ASTM F 1249

*36 mN/m guaranteed for 6 months from delivery