

# PE 500 / PE 500 Regenerate

## Product Information

### Material PE 500 / PE-HMW

The materials of the polyethylene PE 500 product family are characterised by excellent sliding properties, extreme wear resistance, high impact strength as well as excellent resistance to chemicals. They have become well established in technical applications. A high-molecular polyethylene with a molecular weight of over 500,000.

#### Other designations:

PE-HMW, RCH500

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### Material PE 500 Reg.

PE 500 Regenerate is made of finely ground PE 500 and PE 1000. PE 500 Reg. is characterised by high impact strength and has proven itself for many technical applications. A high-molecular polyethylene with a molecular weight of over 500,000.

#### Applications of PE 500 / PE 500 Reg.:

- MK-Premium 500 is a high-molecular polyethylene characterised by good mechanical properties such as scratch and cut resistance and very good resistance to acids. The material is used in branches such as the slaughterhouse/food industry, but also in shop-floor and cold store construction.

#### Characteristics:

- Increased mechanical properties
- Good sliding and wear properties
- High cut and scratch resistance
- Physiologically harmless

#### Other designations:

PE-HMW-R, RCH500, PE 500 Regenerate, PE-HMW-Regenerate



# PE 500

## Product Charts

### Sheets



SHEETS PE 500	Thick-ness mm	Tolerance mm	Weight kg/item	Avail-ability
2000 x 1000 mm	1	+0 ~ +0.4	1.96	MTO
	2	-0.2 ~ +0.2	3.92	S
	3	-0.2 ~ +0.2	5.88	S
	4	-0.2 ~ +0.2	7.78	S
	5	-0.3 ~ +0.3	9.80	S
	6	-0.3 ~ +0.3	11.76	S
	8	-0.2 ~ +0.2	15.70	S
	10	-0.2 ~ +0.2	19.60	S
	12	-0.2 ~ +0.2	23.50	S
	15	-0.2 ~ +0.2	29.40	S
	20	-0.2 ~ +0.2	39.20	S
	25	-0.2 ~ +0.2	49.00	S
	30	-0.2 ~ +0.2	58.80	S
	35	-0.3 ~ +0.3	68.60	S
	40	-0.3 ~ +0.3	78.40	S
	50	-0.3 ~ +0.3	98.00	S
	60	-0.3 ~ +0.3	117.60	S
	70	-0.3 ~ +0.3	137.20	S
	80	-0.3 ~ +0.3	156.80	S
	90	-0.3 ~ +0.3	176.40	S
	100	-0.3 ~ +0.3	196.00	S
	110	-0.3 ~ +0.3	215.60	MTO
	120	-0.3 ~ +0.3	235.20	MTO
	130	-0.5 ~ +0.5	254.80	MTO
	140	-0.5 ~ +0.5	274.40	MTO
	150	-0.5 ~ +0.5	294.00	MTO

SHEETS PE 500	Thick-ness mm	Tolerance mm	Weight kg/item	Avail-ability
3000 x 1250 mm	8	-0.2 ~ +0.2	29.40	MTO
	10	-0.2 ~ +0.2	36.80	S
	12	-0.2 ~ +0.2	44.10	S
	15	-0.2 ~ +0.2	55.10	S
	20	-0.2 ~ +0.2	73.50	S
	25	-0.2 ~ +0.2	91.90	S
	30	-0.2 ~ +0.2	110.30	S
	35	-0.3 ~ +0.3	128.60	S
	40	-0.3 ~ +0.3	147.00	S
	50	-0.3 ~ +0.3	183.80	S
	60	-0.3 ~ +0.3	220.50	S
	70	-0.3 ~ +0.3	257.30	MTO
	80	-0.3 ~ +0.3	294.00	MTO
	90	-0.3 ~ +0.3	330.80	MTO
	100	-0.3 ~ +0.3	367.50	MTO
	110	-0.3 ~ +0.3	404.30	MTO

#### Colours:

Natural, black, yellow, reddish brown,  
red, blue, green, grey  
Other colours available on request

#### Special designs:

PE 500 UV

We can supply finished parts manufactured according to your drawings, semi-finished products and blanks.

We can deliver finished parts, plates and blanks made of PE 500.

# PE 500 Regenerate Product Charts



## Sheets

SHEETS PE 500 REG	Thick- ness mm	Tolerance mm	Weight kg/item	Avail- ability
2000 x 1000 mm	8	-0.2 ~ +0.2	15.70	MTO
	10	-0.2 ~ +0.2	19.60	MTO
	12	-0.2 ~ +0.2	23.50	MTO
	15	-0.2 ~ +0.2	29.40	MTO
	20	-0.2 ~ +0.2	39.20	MTO
	25	-0.2 ~ +0.2	49.00	MTO
	30	-0.2 ~ +0.2	58.80	MTO
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	40	-0.3 ~ +0.3	78.40	MTO
	50	-0.3 ~ +0.3	98.00	MTO
	60	-0.3 ~ +0.3	117.60	MTO
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	130	-0.5 ~ +0.5	254.80	MTO
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SHEETS PE 500 REG	Thick- ness mm	Tolerance mm	Weight kg/item	Avail- ability
3000 x 1250 mm	8	-0.2 ~ +0.2	29.40	MTO
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	15	-0.2 ~ +0.2	55.10	MTO
	20	-0.2 ~ +0.2	73.50	MTO
	25	-0.2 ~ +0.2	91.90	MTO
	30	-0.2 ~ +0.2	110.30	MTO
	35	-0.3 ~ +0.3	128.60	MTO
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	70	-0.3 ~ +0.3	257.30	MTO
	80	-0.3 ~ +0.3	294.00	MTO
	90	-0.3 ~ +0.3	330.80	MTO
	100	-0.3 ~ +0.3	367.50	MTO
	110	-0.3 ~ +0.3	404.30	MTO

### Colours:

Green, black, black-multi, confetti  
Other colours available on request

For further dimensions contact,  
please contact us directly.

We can deliver finished parts, plates  
and blanks made of PE 500 Reg.

# COMCOEPP

Engineering Plastic Products

We produce plastic stock shapes  
and engineer tailor made solutions.



Version 3.0 / 2024

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Engineering Plastic Products

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