

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 / PE 500 Regenerate

Product Charts

Sheets



SHEETS PE 500	Thick- ness mm	Tolerance mm	Weight	
			kg/item 2000 × 1000	kg/item 3000 × 1250
1		-0.1 ~ +0.1	1.96	
2		-0.15 ~ +0.15	3.92	
3		-0.15 ~ +0.15	5.88	
4		-0.2 ~ +0.2	7.84	
5		-0.25 ~ +0.25	9.80	
6		-0.25 ~ +0.25	11.76	
8		-0.2 ~ +0.2	15.60	29.40
10		-0.2 ~ +0.2	19.60	36.80
12		-0.2 ~ +0.2	23.50	44.10
15		-0.2 ~ +0.2	29.40	55.10
20		-0.2 ~ +0.2	39.20	73.50
25		-0.2 ~ +0.2	49.00	91.90
30		-0.2 ~ +0.2	58.80	110.30
35		-0.3 ~ +0.3	68.60	128.60
40		-0.3 ~ +0.3	78.40	147.00
50		-0.3 ~ +0.3	98.00	183.80
60		-0.3 ~ +0.3	117.60	220.50
70		-0.3 ~ +0.3	137.20	257.30
80		-0.3 ~ +0.3	156.80	294.00
90		-0.3 ~ +0.3	176.40	330.80
100		-0.3 ~ +0.3	196.00	367.50
110		-0.3 ~ +0.3	215.60	404.30
120		-0.3 ~ +0.3	235.20	
130		-0.5 ~ +0.5	254.80	
140		-0.5 ~ +0.5	274.40	
150		-0.5 ~ +0.5	294.00	

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.

SHEETS PE 500 REG	Thick- ness mm	Tolerance mm	Weight	
			kg/item 2000 × 1000	kg/item 3000 × 1250
8		-0.2 ~ +0.2	15.70	29.40
10		-0.2 ~ +0.2	19.60	36.80
12		-0.2 ~ +0.2	23.50	44.10
15		-0.2 ~ +0.2	29.40	55.10
20		-0.2 ~ +0.2	39.20	73.50
25		-0.2 ~ +0.2	49.00	91.90
30		-0.2 ~ +0.2	58.80	110.30
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120		-0.3 ~ +0.3	235.20	
130		-0.5 ~ +0.5	254.80	
140		-0.5 ~ +0.5	274.40	
150		-0.5 ~ +0.5	294.00	

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 2.0 / 2021

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