



**QUADRANT**  
ENGINEERING PLASTIC PRODUCTS

**瑞士工程塑胶(亚太区)有限公司**  
**Quadrant Engineering Plastic Products Asia Pacific Ltd.**  
**POLYPENCO KOREA**

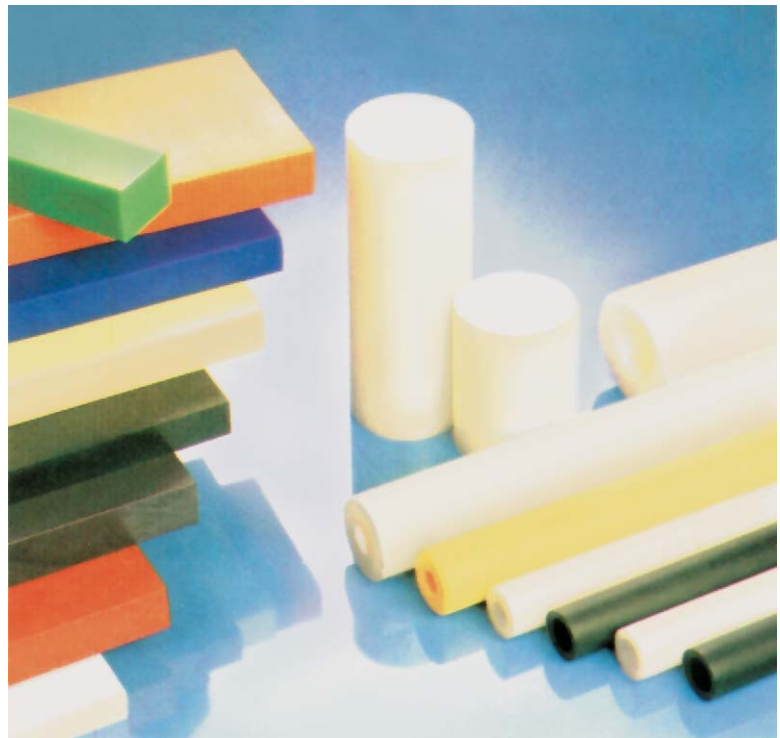
## 产品说明

Product Description

**高密度PE型材产品**  
HD PE products

**同聚PP型材产品**  
PP-H products

**高黏度ABS板材**  
High Viscosity ABS plate



**工 程 塑 料 产 品**  
**Engineering Plastic Products**

**机加工工程塑料型材产品的全球领先者**  
global leader in engineering plastics for machining



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**高密度PE型材产品**

**High Density PE products**

DPE为一种高密度低内应力PE型材产品。  
DPE as HDPE extrusion, help you reduce production costs by providing with unequaled quality at attractive prices.

**高黏度ABS板材**

**High Viscosity ABS plate**

DABS为一种高黏度低内应力ABS型材产品，厚度最高可达200mm。  
DABS stress level reduced to minimum with maximum thickness up to 200mm. Ideal for making sample and mock-up.

**同聚PP型材产品**

**PP-H products**

DPP为一种同聚低内应力PP型材产品，在较高温情况下，此产品能维持较佳的硬度，甚至可与沸水直接接触。  
DPP extrusions replace DPE in case of contacting boiling water due to its superior hardness at elevated temperatures.

**特性及应用 Properties & Applications**

特性	Properties	应用	Applications
重量轻	Light-weight	电镀行业	Plating Equipment
能耐高温	Resistant to Higher Temperature	化工容器	Storage Tank for Chemicals
绝缘	Good Electrical Properties	轴承	Bushing
能与食物接触	Hygienic	齿轮	Gear
抗化学品	Resistant to most Chemicals	砧板	Cutting Board
自我润滑	Self-Lubricity	道轨	Guide
高抗冲击力	High Impact Strength		

**以上所有产品均经过严格回火程序，确保内应力达至最低水平。**  
**All our products are fully annealed under annealing guidelines to make sure minimum internal stress level**

**供货目录 Delivery Program**

**高黏度ABS板材 High Viscosity ABS plate**

标准规格 Standard Size : 600mm x 1000mm				
厚度thickness	公差Tolerance	宽度Width	长度Length	件重Unit Weight
mm	mm	mm	mm	kg
8	+0.2 to +1.5	600	1000	5.28
10	+0.2 to +1.5	600	1000	6.60
12	+0.3 to +3.5	600	1000	7.92
15	+0.3 to +3.5	600	1000	9.90
20	+0.3 to +3.5	600	1000	13.20
25	+0.3 to +3.5	600	1000	16.50
30	+0.5 to +4.5	600	1000	19.80
35	+0.5 to +4.5	600	1000	23.10
40	+0.5 to +4.5	600	1000	26.40
45	+0.5 to +4.5	600	1000	29.70
50	+0.5 to +4.5	600	1000	33.00
60	+0.7 to +4.5	600	1000	39.60
70	+0.7 to +4.5	600	1000	46.20
80	+0.7 to +4.5	600	1000	52.80
90	+1.0 to +5.0	600	1000	59.40
100	+1.0 to +5.0	600	1000	66.00
120	+1.0 to +5.0	600	1000	79.20
150	+1.0 to +5.0	600	1000	99.00
200	+1.0 to +5.0	600	1000	132.00



**高密度 PE / HDPE**

高密度PE棒材(原色) HDPE Rod Natural			
直径 Diameter	公差 Tolerance	件数 kg / piece	
		L1000	L3000
15	+0.1 ~ +1.0	0.18	0.54
20		0.31	0.94
25		0.49	1.47
30	+0.2 ~ +1.5	0.71	2.12
35		0.96	2.88
40		1.26	3.77
45	+0.2 ~ +2.5	1.59	4.77
50		1.96	5.89
55		2.37	7.12
60	+0.5 ~ +3.0	2.83	8.48
65		3.32	9.95
70		3.85	11.54
75		4.42	13.25
80		5.02	15.07
85		5.67	17.01
90	+0.5 ~ +3.5	6.36	19.08
95		7.08	21.25
100		7.85	23.55
110		9.50	28.50
120	+1.0 ~ +4.5	11.30	33.91
125		12.27	36.80
130		13.27	39.80
140		15.39	46.16
150	+1.5 ~ +6.0	17.66	52.99
160		20.10	60.29
170		22.69	68.07
175		24.04	72.12
180		25.43	76.30
200	+2.0 ~ +7.0	31.40	94.20
210		34.62	103.86
225		39.74	119.22
250		49.06	147.18

高密度PE板材(原色) HDPE Plate Natural			
厚度 Thickness	公差 Tolerance	件数 kg / piece	
		1000x2000	1200x2400
3	-0.2 ~ +0.3		8.64
4			11.52
5			14.40
6	-0.3 ~ +0.4		17.28
8			23.04
10			28.80
12	+0.1 ~ +1.5	24.00	
15		30.00	
20		40.00	
25	+0.1 ~ +2.0	50.00	
30		60.00	
35		70.00	
40	+0.8 ~ +4.0	80.00	
45		90.00	
50		100.00	
55	+0.8 ~ +4.5	110.00	
60		120.00	
65		130.00	
70	+0.8 ~ +5.0	140.00	
75		150.00	
80		160.00	
85		170.00	
90		180.00	
100	+1.0 ~ +8.0	200.00	

**\*可订造其他颜色，最低订货量为每规格一吨**  
**\* Other colour available upon request,**  
**MOQ 1 Ton per size**

**同聚 PP / PP-H**

同聚PP棒材(原色) PP-H Rod Natural			
直径 Diameter	公差 Tolerance	件数 kg / piece	
		L1000	L3000
15	+0.1 ~ +1.0	0.18	0.54
20		0.31	0.94
25		0.49	1.47
30	+0.1 ~ +1.5	0.71	2.12
35		0.96	2.88
40		1.26	3.77
45	+0.4 ~ +2.5	1.59	4.77
50		1.96	5.89
55		2.37	7.12
60	+0.5 ~ +3.0	2.83	8.48
65		3.32	9.95
70		3.85	11.54
75		4.42	13.25
80		5.02	15.07
85		5.67	17.01
90	+0.5 ~ +3.5	6.36	19.08
95		7.08	21.25
100		7.85	23.55
110		9.50	28.50
120	+1.0 ~ +4.0	11.30	33.91
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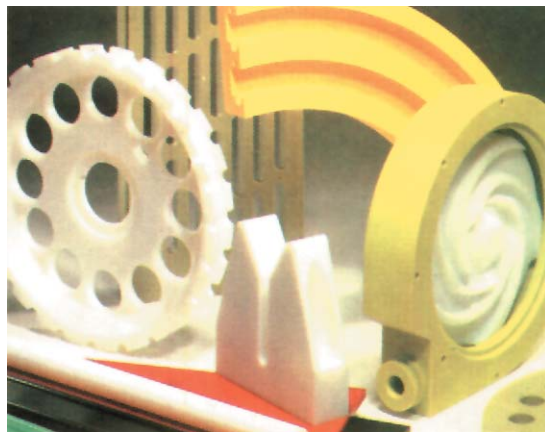
同聚PP板材(原色) PP-H Plate Natural			
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		1000x200	1200x2400
3	-0.2 ~ +0.3		8.64
4			11.52
5			14.40
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12	+0.1 ~ +1.5	24.00	
15		30.00	
20		40.00	
25	+0.1 ~ +3.0	50.00	
30		60.00	
35		70.00	
40	+0.8 ~ +4.0	80.00	
45		90.00	
50		100.00	
55	+0.8 ~ +5.0	110.00	
60		120.00	
65		130.00	
70	+1.0 ~ +6.0	140.00	
75		150.00	
80		160.00	
85		170.00	
90		180.00	
100	+1.0 ~ +8.0	200.00	

**\*可订造其他颜色，最低订货量为每规格一吨**  
**\* Other colour available upon request,**  
**MOQ 1 Ton per size**

	ASTM NO	Unit	DPE (HDPE)	DPP (Polypropylene)
段震拉伸强度 Tensile Strength at Yield	D-638	kg/cm <sup>2</sup>	280	360
裂断拉伸应变 Elongation at Break	"	%	600	500
拉伸弹性模量 Tensile Modulus of Elasticity	"	kg/cm <sup>2</sup>		
抗压强度 Compressive Strength	D-695	kg/cm <sup>2</sup>		102
洛氏硬度 Rockwell Hardness (R-Scale)	D-785	-	54	102
抗冲击强度 Impact Strength (Izod, Notched)	D-256	Kg · cm / 2.54cm	230	10
热变型温度 HEAT Distortion Temp 18.5kg/cm <sup>2</sup> 4.6kg/cm <sup>2</sup>	D-648	°C	65	105
热线性膨胀系数 Coefficient of Linear Thermal Expansion	D-696	°C <sup>-1</sup>	15 × 10 <sup>-5</sup>	11 × 10 <sup>-5</sup>
吸水性饱和情况下 Water Absorption 24hrs in Water Saturation in Water	D-570	%	<0.01	<0.01
密度 Specific-Gravity	D-792	-	0.95	0.90

以上表对材料的选用是很有帮助的。表内所列之数据乎合干燥材料的产品性能正常范围，然而不应将它当成是保证，既不能利用做材料特性极限，也不能在设计上单独以此为机准。

The values given for properties should not be used for specifications.  
They are typical values intended for guidance to material selection.



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