

HDPE 台塑烯高密度聚乙烯



台塑烯高密度聚乙烯為日本丸善低壓 CSTR 粉漿製程產品，具高衝擊、高剛性、良好耐化學性、高耐環境應力龜裂性、良好電氣性質，因此廣泛應用於薄膜、吹製、射出。

我們使用改良的多段重合製程生產桶級及管級，依照 ISO 12162，8001/8001BL 為 PE 100 等級樹脂 (最小需求強度 MRS 為 10MPa)，能承受在 20°C、10MPa 的最小環向應力作用下達 50 年以上。桶級 7501 可用於生產 220 公升之化學桶。

台塑烯 HDPE 所有品別都含有抗氧化劑及制酸劑，且符合美國 FDA 21 CFR 177.1520 規範以及歐盟限制危害物質限令 (RoHS)、高度關注物質清單 (SVHC)、食品包裝容器規定 (EU,NO10/2011)、玩具製品重金屬含量規定 (EN71)。

高密度聚乙烯 High Density Polyethylene (HDPE)

品別 Grade	基本物性 Basic Properties	熔融指數 Melt Index MI2.16/MI21.6	密度 Density	熔點 Melting point	拉力降伏強度 Tensile strength at yield	拉力斷裂強度 Tensile strength at break	斷裂伸長率 Elongation at break	艾氏衝擊強度 Izod Impact Strength	硬度 Hardness	耐環境 應力龜裂性 ESCR	用途 Application
	單位 Unit	g/10min	g/cm ³	°C	Kg/cm ²	Kg/cm ²	%	Kg-cm/cm notch	Shore D	Hours	
	測試方法 Method	ASTM D1238	ASTMD1505	DSC	ASTM D638	ASTM D638	ASTM D638	ASTM D256	ASTM D2240	ASTM D1693	
薄膜級 Blown Film	9000	0.07	0.950	130	260	370	850	22	65	500	超薄袋 (厚度最薄至 4.7 μ)、點斷袋、小型購物袋、市場袋 Super thinness bag (a minimum thickness of 4.7 μ), roll bag, small shopping bag.
	9001	0.05	0.950	130	260	380	800	22	65	>1000	購物袋、點斷袋、垃圾袋、排水管 Shopping bag. Roll bag. Garbage bag. Underground sewer pipe.
扁紗級 Flat Yarn & Monofilament	8009	0.85	0.952	133	270	410	1000	NB	68	—	繩、網、帆布、編織袋、發泡板 Ropes. nets. Tarpaulin. Woven bags. Foam sheet.
	8010	1.0	0.958	134	295	390	1000	NB	69	—	繩、網、帆布、編織袋、發泡板 Ropes. nets. Tarpaulin. Woven bags. Foam sheet.
中空吹製級 Blow molding	8003	0.25	0.958	134	300	320	1000	25	69	30	食品容器、鮮奶容器、醫藥品罐、工具箱 Food packaging bottle. dairy bottle. Medicine cans. Tool box.
	8003H	0.30	0.958	134	300	320	1000	45	69	30	食品容器、鮮奶容器、醫藥品罐、工具箱 Food packaging bottle. dairy bottle. Medicine cans. Tool box.
	9003	0.25	0.952	132	270	300	1000	13	66	200	清潔用品瓶、機油瓶、工具箱、鞋楦、玩具 Detergent & Bleach Engine oil bottle. Shoe last. Tool box. Toys.
	7001	0.07 / 9.0	0.950	130	250	350	600	30	65	>600	20-150L 化學桶、農藥容器、工業用品 Chemical tanks (up to 150L). Agricultural tanks. big Industrial parts.
	7301 / 7301U	0.03 / 6.0	0.948	129	250	350	600	30	65	>1000	1000 公升 IBC 桶及汽機車燃油箱等 1000 liters IBC tank and fuel tank of car.
7501	0.02 / 3.0	0.951	134	270	380	800	NB	67	>1000	200L 開口、雙 L 環化學桶、工業棧板 Open-top type Drum. L-ring type Drum (up to 220L). Blow pallets.	
射出吹瓶級 Injection Blow molding	8013H	1.3	0.960	134	300	320	1000	10	69	—	藥瓶、化妝品瓶、食品瓶 Medicinal bottles. Cosmetic bottles. Food bottles. Toiletry bottles.

以上數據為測試平均值，僅提供參考。 Data shown are average values and should not be examined for specifications.

TAISOX® High Density Polyethylene



TAISOX® High Density Polyethylene plastic resin is the product manufactured by CSTR low-pressure slurry process from Maruzen Japan. TAISOX® HDPE is a high-impact and high-stiffness product and has distinguished chemical resistance, environmental stress crack resistance and high electrical property, so it is extensively used for film, blow molding, injection. We used the improved multi-stage polymerization process to produce drum and pipe grades. According to ISO 12162, TAISOX® 8001/8001BL are classified PE 100 pipe grades and endure pressure exceeding MRS of 10 Mpa at 20 °C for 50 years. The grade 7501 for drum can be used to produce 220 liter drum.

All HDPE products contain anti-oxidants and comply with US 21 CFR177.1520, RoHS, REACH SVHC, EU NO10/2011, EN71.



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