

## 中空料

### Blow Molding Grade

#### 产品简介

中国石化高密度聚乙烯中空料密度较大，模量高，刚性、韧性好，耐环境应力开裂性能良好，加工性能优异，适用于中空吹塑中型或大型装运液体的容器。

#### Overview

Sinopec HDPE blow molding grade features high density, modulus and rigidity, good environmental stress crack resistance and excellent processability. The resin is suitable for making large and medium-sized containers holding liquids by blow-molding.

#### 产品用途

高密度聚乙烯中空料产品可以用于中空吹塑牛奶瓶、果汁瓶、化妆品瓶、人造黄油罐、齿轮油桶、汽车用润滑油桶等小型中空容器，也可用于中空吹塑IBC集装桶、大型玩具、漂浮物、包装桶等大中型容器。

#### Applications

HDPE blow-molding grade can be used for producing small-sized containers such as milk bottles, juice bottles, cosmetics bottles, artificial butter cans, gear oil barrels and auto lubricant barrels. It can also be used in the production of intermediate bulk-containers(IBC), large toys, floating matters and large and medium-sized containers such as packaging-use barrels.

#### 产品包装及贮运要求

产品采用重包装袋（FFS）包装、牛皮纸包装袋或聚乙烯复合薄膜包装袋包装，净重25Kg/袋。

产品应存放在通风、干燥的仓库内，远离火源，防止阳光直接照射，不得露天堆放。产品运输时不得在阳光下曝晒或雨淋，不得与沙土、碎金属、煤炭、玻璃等混合装运，更不可与有毒物质、腐蚀性和易燃物品混装。

#### Package, Storage and Transportation

The resin is packaged in internally film-coated polypropylene woven bags, brown paper bags or laminated polyethylene film bags. The net weight is 25Kg/bag.

The resin should be stored in a drafty, dry warehouse and away from fire and direct sunlight. It should not be piled up in the open air. During transportation, the material should not be exposed to strong sunlight or rain and should not be transported together with sand, soil, scrap metal, coal or glass. Transportation together with toxic, corrosive and flammable substance is strictly prohibited.



## 主要产品牌号性能指标典型值 (非保证值)

Grades and Typical Values (Not Warranted Values)

产品牌号 Grades		5200B	1158	1158P	HD6007XA	HD5502XA	HM5411EA	5301B
熔体流动速率 MFR	g/10min	0.3	2.1	2.4	0.6	0.2	10(HLMI)	0.7
密度 Density	g/cm <sup>3</sup>	0.960	0.953	0.950	0.962	0.952	0.952	0.960
灰分 Ash	%≤	0.03	—	—	—	—	—	—
拉伸强度 Tensile Strength	MPa≥	23	24	20	—	—	—	25
拉伸屈服强度 Tensile Strength at yield	MPa≥	—	—	—	30.5	26	26	—
断裂伸长率 Elongation at break	%≥	800	600	300	300	300	300	500
弯曲模量 Flexural Modulus	MPa	—	—	—	1700	1050	1100	—
简支梁缺口冲击强度 Charpy notched impact strength	KJ/m <sup>2</sup> ≥	18	32	28	—	30	—	40
冲击脆化温度 Impact Brittleness temperature	°C ≤	-70	—	—	—	—	—	—
产品认证 Certifications		食品卫生/FDA	—	—	—	—	—	食品卫生/ ROHS
生产企业 Manufacturers		燕山 Yanshan	齐鲁 Qilu	齐鲁 Qilu	中沙 SSTPC	中沙 SSTPC	中沙 SSTPC	扬子 Yangzi

产品牌号 Grades		HHM 5502LW	HHM 5502ST	HXM 50100	HXB 4505M	TR-571M	TR-580M	HD5502S	HM4560UA
熔体流动速率 MFR	g/10min	0.3	0.35	(HLMI) 9.8(21.6kg)	6.0 (21.6kg)	3.0 (21.6kg)	6.0 (21.6kg)	0.2	6.8 (21.6kg)
密度 Density	g/cm <sup>3</sup>	0.955	0.955	0.9475	0.945	0.953	0.945	0.954	0.947
灰分 Ash	%≤	0.1	0.1	0.1	0.1	—	0.1	—	—
拉伸强度 Tensile Strength at yield	MPa≥	20	26	22	20	27	20	26	—
断裂伸长率 Elongation at break	%≥	400	500	800	1100	—	600	300	—
简支梁缺口冲击强度	KJ/m <sup>2</sup> ≥	16	16	16	16	50	—	—	—
冲击脆化温度 Impact Brittleness Temperature	°C ≤	-75	-75	—	—	—	-70	—	—
产品认证 Certifications		食品卫生 FDA/ ROHS/ PAHS	FDA/ ROHS	FDA/ ROHS	FDA/ ROHS	—	—	—	—
生产企业 Manufacturers		茂名 Maoming	茂名 Maoming	茂名 Maoming	茂名 Maoming	茂名 Maoming	茂名 Maoming	中韩石化	中韩石化