

## 注塑料

### Injection Molding Grade

#### 产品简介

中国石化低密度聚乙烯注塑料可广泛应用于聚乙烯发泡材料、粉末涂料及注射成型领域。产品具有支化的分子结构，熔体强度高，力学性能良好，耐热性能及耐化学腐蚀性能好，产品的加工性能优良，注射成型周期短，收缩率小，制品尺寸稳定。

#### Overview

Sinopec LDPE Injection-molding grade can be used in the production of polyethylene foaming material, powdered coating and injection-molded products. The resin has a molecular structure with branching. It has high melt strength, good mechanical behavior, heat endurance and chemical corrosion resistance and excellent processability. Products made from this resin have many advantages such as short shaping cycle, small shrinkage rate and stable dimensions.

#### 产品用途

低密度聚乙烯注塑料产品主要用于生产民用爆破雷管、管材、板材、水果网套、交通护栏、小型注塑制品（瓶盖内盖）以及粉末涂料等产品。

#### Applications

LDPE Injection-molding grade is principally used for producing civil detonators, pipes, plates, fruit net bags, traffic guardrails, small-sized injection-molding products (the inner part of a bottle cup) and powdered coating.

#### 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		112A-1	LD400	LD605	LD607
熔体流动速率 MFR	g/10min	2.0	25.0	6.0	7.5
密度 Density	g/cm <sup>3</sup>	0.920	0.921	0.922	0.921
拉伸强度 Tensile Strength	MPa ≥	13	18	8	9
断裂伸长率 Elongation at break	% ≥	500	—	100	400
产品认证 Certifications		食品卫生/FDA	食品卫生/FDA	食品卫生/FDA	食品卫生/FDA
生产企业 Manufacturers		燕山 Yanshan	燕山 Yanshan	燕山 Yanshan	燕山 Yanshan

#### 产品包装及贮运要求

产品采用重包装袋（FFS）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 polypropylene woven 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.

