

线型低密度聚乙烯 (LLDPE)

Linear Low-density Polyethylene (LLDPE)

线型低密度聚乙烯是由乙烯与高级 α -烯烃(如丁烯-1、己烯-1)在低压下聚合而获得的合成树脂, 是含短支链的中低密度聚乙烯, 产品分子量分布较窄。

Linear low-density polyethylene (LLDPE) is a copolymer produced by polymerization of ethylene and α -olefin (such as butene-1, hexene-1) at low pressure. It is low and medium density polyethylene with short chains branching. LLDPE has a narrow molecular weight distribution.

主要用途

主要用于制作薄膜、管材、注塑成型制品、中空吹塑容器、旋转成型制品及电线电缆包覆材料等。

主要生产企业及工艺列表

Manufacturers and Processes

生产企业 Manufacturers	所在地 Locations	产能 (万吨/年) Design Capacity (10,000 Tons/a)	工艺技术 Processes	企业认证 Certifications	
				质量管理体系 Quality Management System	HSE管理体系 HSE Management System
天津分公司 Tianjin Petrochemical	天津 Tianjin	12	Univation公司的Unipol流化床工艺 Unipol fluidized bed Process of Univation	ISO9001	GB/T19001-2000
中沙石化 SINOPEC SABIC TianJin Petrochemical Company	天津 Tianjin	30	中国石化气相法聚乙烯工艺技术 Gas-phase Polyethylene Process of Sinopec	—	—
中原石化 Zhongyuan Petrochemical	濮阳 Puyang	24	Univation公司的Unipol流化床工艺 Unipol fluidized bed Process of Univation	ISO9001	GB/T19001-2000
齐鲁分公司 Qilu Petrochemical	淄博 Zibo	12	Univation公司的Unipol流化床工艺 Unipol fluidized bed Process of Univation	ISO9001	GB/T19001-2000
扬子石化 Yangzi Petrochemical	南京 Nanjing	20	Univation公司的Unipol流化床工艺 Unipol fluidized bed Process of Univation	ISO9001	GB/T19001-2000
镇海炼化 Zhenhai Refining and Chemical Company	宁波 Ningbo	45	Univation公司的Unipol流化床工艺 Unipol fluidized bed Process of Univation	ISO9001	GB/T19001-2000
福建联合石化 Fujian Refining & Petrochemical Company Limited	泉州 Quanzhou	40	Univation公司低压气相流化床工艺 Low-pressure Gas-phase Fluidized bed Process of US Univation	—	—
广州分公司 Guangzhou Petrochemical	广州 Guangzhou	20	Univation公司的Unipol流化床工艺 Unipol fluidized bed Process of Univation	ISO9001	GB/T19001-2000
茂名分公司 Maoming Petrochemical	茂名 Maoming	20	Univation公司的Unipol流化床工艺 Unipol fluidized bed Process of Univation	ISO9001	GB/T19001-2000
中韩石化	武汉 Wuhan	30	中国石化气相法聚乙烯工艺技术 Gas-phase Polyethylene Process of Sinopec	—	—

中国石化线型低密度聚乙烯产品是采用美国Univation公司的Unipol流化床工艺, 是以乙烯和 α -烯烃为单体在催化剂作用下进行聚合反应制得, 具有较高的拉伸强度、冲击强度, 优异的耐穿刺性及耐低温冲击性能。

Sinopec LLDPE is manufactured by polymerization of ethylene and α -olefin monomers in the presence of catalysts using UCC's Unipol fluidized-bed technology. The product has strong tensile and impact strength and excellent properties to resist puncture and impact at low temperatures.

Main Applications

LLDPE is mainly used for making film, pipes, injection-molding products, blow-molding containers, rotationally-molding products and wire & cable covering material.