

丙烯腈、丁二烯、苯乙烯共聚物 (ABS)

Acrylonitrile-Butadiene-Styrene (ABS)

ABS树脂是由丙烯腈、丁二烯和苯乙烯合成的三元共聚物，具有优良的耐低温冲击性能，表面硬度高，耐化学性及电性能良好，ABS具有从低到高不同光泽度，其中低光泽度的ABS树脂可以满足在IT（信息技术）产品应用中广泛使用皮纹表面的特殊要求。

中国石化ABS树脂是采用美国陶氏化学本体法工艺聚合而成的，在生产过程中不使用乳液聚合法所使用的皂类添加剂，产品中的杂质含量低，尤其是重金属含量极低，产品自然纯白，没有异味，是目前最安全、最健康的ABS产品。

ABS is a terpolymer made from acrylonitrile, butadiene and styrene. The resin has good resistance to impact at low temperatures, high surface hardness, good resistance to chemicals and good electrical properties. ABS has varied levels of glosses. ABS with low-level gloss can be used to meet the special requirement of extensive application of leather-like surface in information technology.

Sinopec ABS is produced by Dow Chemical's Bulk process. As no soap-based additives used in emulsion polymerization, the contents of impurities in Sinopec ABS resin are low and particularly the contents of heavy metals are extremely low. The product is pure white and free of peculiar smell. It is the safest and healthiest ABS product currently available in the market.

主要用途

产品主要用于制作家用电器和家用电子设备的零部件，其中包括电视机、收录机、电冰箱、洗衣机、空调机、饮水机、电话机、电风扇等的外壳、内衬和配件。在机械工业中可用于制造齿轮、叶轮、轴承、把手、管道、仪表盘等。在汽车工业中用于制作仪表盘、挡泥板、扶手。还广泛用于制作箱包、办公设备、复印机、玩具、食品包装容器以及家具等。ABS制品可以进行电镀、焊接、表面涂饰等二次加工，加工后可替代金属制作装饰件。

Applications

ABS is largely used in the production of components and parts of electrical household appliances and equipments, including the shells, linings and spare parts of TV sets, recorders, refrigerators, washing machines, air conditioners, water dispensers, telephones and electric fans, etc. It can also be used to make gears, impellers, bearings, handles, pipes and panels used in the machinery industry. It is also used in the automobile industry to make dashboards, splashboards and armrests. ABS is also widely used in the production of cases, bags, office equipments, duplicating machines, toys, food packaging vessels and furnitures. Products made from ABS can be re-processed through galvanization, welding and coating to make ornaments as substitutes of metals.

主要生产企业及工艺列表

Manufacturers and Processes

生产企业 Manufacturer	所在地 Location	产能 (万吨/年) Design Capacity (10,000 Tons/a)	工艺技术 Process	企业认证 Certification
高桥分公司 Gaoqiao Petrochemical	上海 Shanghai	20	美国陶氏化学 (DOW) 本体法工艺 U.S. DOW Chemical Bulk Process	GB/T 19001-2000

