Technical Data Sheet

Product Description

HD-5502S is a High Density Polyethylene manufactured by Tri-loop Slurry Process technology.It is recommended for general-purpose blow molding applications such as household and industrial containers.

Features

Excellent processability

Good stiffness and tensile strength

Typical Properties

No.	Resin Properties	Test Method	Unit	Typical value
1	MFR(2.16kg,190℃)	GB/T 3682.1-2018	g/10min	0.2
2	Density	GB/T 1033.2-2010	g/cm^3	0.955
3	Tensile Stress at Yield	GB/T 1040.2-2022	MPa	≥22
4	Nominal Tensile Strain at Break	GB/T 1040.2-2022	%	≥350
5	Flexural Modulus	GB/T 9341-2008	MPa	≥700
6	Charpy Impact Strength,Notched 23℃	GB/T 1043.1-2008	KJ/m^2	≥10.0
7	ESCR,F50	GB/T 1842-2008	h	≥30

Note: The values listed above are typical values for reference purpose only and shall not be construed as specifications

Product package

The net weight of each bag is 25kg .

Product transportation

HDPE resin is a non-hazardous goods. Throwing and using sharp tools like hook is strictly forbidden during transportation. Vehicles should be kept clean and dry. it must not be mixed with sand, crushed metal, coal and glass, or toxic, corrosive or flammable materials in transportation. It is strictly forbidden to be exposed to the sun or rain.

Product storage

This product should be stored in a well ventilated, dry, clean warehouse with effective fire protection facilities. It should be kept far away from heat sources and direct sunlight. The storage is strictly prohibited in open air. A rule of storage should be followed. The storage period is not more than 12 months since the date of production.