

ZH5502H

High Density Polyethylene | Blow Molding Grade

DESCRIPTION

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

PHYSICAL PROPERTIES

Typical performance index (Not Warranted Value)

ITEM	UNIT	QUALITY INDEX
MFR	g/10 min	0.25 ± 0.08
Tensile Strength at Yield	MPa	≥ 22.0
Nominal strain at break	%	≥ 700.0
Density	g/cm ³	0.955 ± 0.003
Flexural Modulus	MPa	≥ 900
Stretching Broken Column Nominal Strain (23°C)	kJ/m ²	As Reported
Environmental stress cracking time	h	≥ 46

PRODUCT CHARACTERISTICS

- Good environmental stress crack resistance
- Excellent processability
- High density, high modulus and high rigidity

TYPICAL APPLICATIONS

HDPE blow moulding grade is used for producing small-sized containers such as milk bottles and juice bottles. It can also be used in the production of large and medium-sized containers such as packaging-use barrels and large toys.

MANUFACTURER

Sinopec Zhenhai Refinery