中国石化 SINOPEC

TECHNICAL DATA SHEET

HHM5502LW

High-Density Polyethylene
Blow Molding Grade

Product Description:

HHM5502LW is a commonly used HDPE blow molding grade with good rigidity and excellent stress cracking resistance.

Physical Properties:

Typical performance index (Not Warranted Value)

Item	Unit	Quality Index	Typical Value	Test Method
MFR	g/10 min	0.3 – 0.4	0.34	GB/T 3682.1-2018
Density(23°C)	g/m^3	953.5 – 956.5	955.0	GB/T 1033.2-2010
Chromaticity	/	/	260	CPC-IVD
Tensile Strength at Yield	MPa	≥26	30.1	ASTM D638-2022
Elongation at Break	%	≥500	836	ASTM D638-2022
Environmental Stress Cracking Resistance(F50)	h	≥25	109	GB/T 1842-2008

Product Characteristics:

- Good rigidity
- Excellent stress cracking resistance

Manufacturer:

Sinopec Maoming Petrochemical Company

Typical Applications:

It is mainly used in the production of small and medium volume hollow bottles, such as detergent bottles, medicine bottles, beverage bottles, etc.