

Polyethylene Resin

TECHNICAL DATA SHEET

Chemical Formula : $(C_2H_4)_n$

Cas No. : 9002-88-4



烟台流义兴高分子材料有限公司
Longyixing Chemicals Co., Ltd

✉ www.ilionchem.com

🌐 sales@ytlyx.com

■ Description

HE3488-LS-W is a black bimodal high-density polyethylene compound produced by the advanced Nordic Double Star Borstar® patented technology, with a pressure rating of 10MPa (PE100). Contains well dispersed carbon black for pressure pipes providing excellent UV resistance and specially developed formulation for water pipe applications. HE3488-LS-W fully complies with Chinese national standard GB/T 13663:2018.

■ Applications

HE3488-LS-W is well designed for water supply pressure piping system. It has good resistance to fast and slow crack growth.

■ Packaging

In 25kg kraft bag.

No.	ITEMS DESCRIBE	INDEX	TEST METHOD
01	Density (mixture)	960kg/m ³	ISO 1183
02	MFR (190°C/5kg)	0.27g/10min	ISO 1133
03	Tensile Modulus (1mm/min)	1100MPa	ISO 527
04	Elongation at break (50mm/min)	>600%	ISO 527-2
05	Tensile Yield Strength (50mm/min)	25MPa	ISO 527-2
06	Carbon black content	≥2%	ISO 6964
07	Carbon black dispersibility	≤3	ISO 18553
08	Oxidation induction time (210°C)	≥20mins	ISO 11357-6
09	Resistance to rapid crack growth, S4 test+	>10bar	ISO 13477
10	Resistance to slow crack growth (9.2bar, 80oC)	>500hrs	ISO 13479