

Technical Data Sheet

Product Description

HDPE 23050 is a HDPE with good processability for extrusion. The product provides excellent impact & creep resistance combined with erosion resistance and excellent stress crack resistance properties (ESCR). It also offers good electrical insulation properties and easy installation.

HDPE 23050 is classified as an MRS 10.0 material (PE100).

Typical Applications

HDPE 23050 is recommended for pressure pipe systems in the applications field of:

Drinking water, Natural gas, Pressure sewerage

Typical Properties

Properties	Typical Value	Units	Test Method
Physical			
Density	0.948	g/cm ³	GB/T 1033.2-2010
Melt Flow Rate (190°C/5kg)	0.23	g/10min	GB/T 3682.1-2018
Mechanical			
Tensile Stress at Yield	22	MPa	GB/T 1040.2-2006
Tensile Elongation at Break	≥600	%	GB/T 1043.1-2008
Charpy Impact Strength – Notched (23°C)	24	kJ/m ²	GB/T 9341

Flexural Modulus	1000	MPa	GB/T 1040.2-2006
Oxidation Induction Time (210°C, A1)	>60	min	GB/T 19466
Rapid Crack Propagation (RCP, S4)	≥10	Bar	ISO 13477

Notes: These are typical property values not to be construed as specification limits. Users shall determine whether the product is suitable for their use and can be used safely and legally.

Recommended processing temperature: 190°C to 220°C.

Package(s)

FFS bag: 25kg.

Storage

Product should be stored in a clean, dry and well-ventilated warehouse with well-conditioned fire-fighting equipments. Keep away from heat and direct sunlight. Avoid storing in any open-air environment.

Expiration Date

Within 12 months after the production date.

For more information about safety and environment, please refer to our SDS or contact our customer service center.