

HDPE**HDPE 2480****HIGH DENSITY POLYETHYLENE (HDPE)**

This high-density polyethylene grade has a broad or bimodal molecular weight distribution that provides a favourable balance of stiffness and toughness together with strong creep resistance. It is supplied as a natural, uncompounded PE 80 pressure-pipe resin for extrusion of pipe used in pressurized water, gas and general industrial service, with good resistance to both slow and rapid crack growth.

Typical Application

- Extrusion of PE 80 pressure pipe (natural)
- Pressurized water and gas distribution pipe
- General industrial piping

Product Characteristics

- Broad or bimodal molecular weight distribution
- Strong creep resistance
- Balanced rigidity and toughness
- Low sag during processing
- Good resistance to slow crack growth (SCG) and rapid crack propagation (RCP)

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/5kg)		0.46	g/10 min
Density		0.945	g/cm ³
Tensile Stress at Yield		≥21	MPa
Elongation at Break		≥500	%

1. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.

2. Typical values per the producer's published family data; grade-specific certificate of analysis supplied per lot at order.

3. Tensile and elongation figures are drawn from a separate distributor compilation of the same producer's published typical values, cross-checked against matching density and origin data; that source reports melt flow at a higher test load consistent with the 5 kg value given here.