

HDPE**HDPE TR400N****HIGH DENSITY POLYETHYLENE (HDPE) GEOMEMBRANE GRADE**

This high-density polyethylene grade is a blown-film extrusion resin developed for geomembrane manufacture. It is engineered as an impermeable lining material with a very high resistance-to-penetration coefficient, good heat, cold and ageing resistance, high tensile strength and elongation at break, and excellent chemical stability.

Typical Application

- Geomembrane for landfill liners
- Wastewater treatment pit lining
- Man-made lake and reservoir lining
- Oil storage pit lining
- Pond lining
- General water-conservancy anti-seepage projects

Product Characteristics

- Very high resistance-to-penetration coefficient
- Good heat, cold and ageing resistance
- High tensile strength and elongation at break
- Excellent chemical stability

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow (190°C/21.6kg)	ASTM D1238	11.6	g/10 min
Density		0.939	g/cm ³
Tensile Stress at Yield		20	MPa
Elongation at Break		799	%

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.