

HDPE**HDPE DGDA6094****HIGH DENSITY POLYETHYLENE (HDPE)**

This high-density polyethylene grade is designed for extrusion into monofilament and multifilament yarn used in netting and rope products. It provides high tensile strength, good elongation and resistance to abrasion and chemical attack, supporting reliable high-speed filament spinning.

Typical Application

- Monofilament and multifilament yarn extrusion
- Nets
- Ropes and cordage

Product Characteristics

- High tensile strength
- Good elongation and toughness
- Resistant to abrasion, heat, cold and chemical attack
- Suitable for high-speed filament spinning

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Index (190°C/2.16kg)	GB/T 3682	1	g/10 min
Density	ASTM D792	0.950	g/cm ³
Tensile Strength at Yield	GB/T 1040	25	MPa
Tensile Strength at Break	ASTM D638	40	MPa
Elongation at Break		≥600	%

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. An alternate published data sheet for this grade reports elongation at break near 1100%; typical values vary by lot and test specimen.