

HDPE**HDPE HD5502****HIGH DENSITY POLYETHYLENE (HDPE)**

This high-density polyethylene grade is designed for blow moulding of small-sized containers. It combines high density, modulus and rigidity with good environmental stress crack resistance, supporting dimensionally stable, impact-resistant bottles and small containers.

Typical Application

- Blow moulding of small-capacity containers
- Bottles and small industrial containers

Product Characteristics

- High density, modulus and rigidity
- Good environmental stress crack resistance (ESCR)
- Consistent processability for small-part blow moulding

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/2.16kg)		0.35	g/10 min
Density		0.955	g/cm ³
Tensile Stress at Yield		30	MPa
Environmental Stress Crack Resistance (50°C, F50)		>25	h

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.