

HDPE**HDPE TR144****HIGH DENSITY POLYETHYLENE (HDPE) FILM GRADE**

This high-density polyethylene grade is a blown-film extrusion resin offering high mechanical strength, good process ability and good colourability, printability and sealability. It resists moisture, oil and chemical attack and processes well at high line speeds, making it suitable for product bags and shopping bags.

Typical Application	Product Characteristics	International Compliance
• Blown-film product bags • Shopping bags	• High mechanical strength with good stiffness • Good colorability, printability and sealability • Moisture, oil and chemical resistance • High-speed processing performance	• Food-contact hygiene compliant • RoHS • FDA • PAHs compliant

Film Properties

Properties	Test Method	Typical Value	Unit
Tearing Strength (MD)		26	g
Tearing Strength (TD)		410	g

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow (190°C/2.16kg)	ASTM D1238	0.19	g/10 min
Density		0.945	g/cm ³
Tensile Stress at Yield		23	MPa
Elongation at Break		780	%

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. The producer's global catalogue also reports directional (MD/TD) tensile-yield and elongation figures for this grade that differ somewhat from the single omnidirectional values used here; the values reported reflect the producer's currently published typical data for this SKU.