

TECHNICAL DATASHEET

HDPE Q945M

PRODUCT DESCRIPTION

High Density Polyethylene Medium Molecular Weight Resin

Q945M is a medium molecular weight high density polyethylene with narrow molecular weight distribution resin designed for high-speed orientation film applications.

KEY CHARACTERISTICS:

Excellent Processability Superior Stiffness

NOMINAL PHYSICAL PROPERTIES:

PROPERTIES	ASTM TEST METHOD	UNIT	VALUE
TYPICAL RESIN PROPERTIES FOR Q945M:			
Density / Specific Gravity	D1505	g/cm ³	0.945
Melt Index (190°C at 2.16kg)	D1238	g/10 min	0.59
Melt Index (190°C at 21.6kg)	D1238	g/10 min	1.9
Tensile Strength at Yield	D638	psi	3200
Elongation at Break	D638	%	>500
2% Secant Modulus	D638	psi	100000
Flexural Modulus	D790	psi	115000

PROCESSING METHOD:

Blown Film, Extrusion

APPLICATIONS:

Specialty Films
Monofilament
Slit Tape
Woven & Knitted Fabrics

NOTE:

These are typical property values not to be construed as specification limits.

HDPE

HIGH DENSITY
POLYETHYLENE
Q945M