

TECHNICAL DATASHEET

HDPE Q4660

PRODUCT DESCRIPTION

High Density Polyethylene Medium Molecular Weight Resin

Q4660 is a medium molecular weight high density polyethylene resin which has high stiffness, high rigidity, and high flow physical properties, to produce small part blow moulding products and profile extrusion applications.

KEY CHARACTERISTICS:

Excellent Processability Superior Stiffness

NOMINAL PHYSICAL PROPERTIES:

PROPERTIES	ASTM TEST METHOD	UNIT	VALUE
TYPICAL RESIN PROPERTIES FOR Q4660:			
Density / Specific Gravity	D1505	g/cm ³	0.962
Melt Index (190°C at 2.16kg)	D1238	g/10 min	0.7
Melt Index (190°C at 21.6kg)	D1238	g/10 min	50.0
Tensile Strength at Yield	D638	Psi	4200
Elongation at Break	D638	%	>300
Tensile Modulus	D638	Psi	185000
Izod impact @ 23°C	D256	J/m	101

PROCESSING METHOD:

Blow Moulding, Extrusion

APPLICATIONS:

Small Part Blow Moulding
Profile Extrusion
Liquid Food Containers for Milk
Water Packaging

NOTE:

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

HDPE

HIGH DENSITY
POLYETHYLENE
Q4660