

TECHNICAL DATASHEET

HDPE Q50100

PRODUCT DESCRIPTION

High Density Polyethylene High Molecular Weight Copolymer Resin

Q50100 is a High molecular weight High Density Polyethylene copolymer resin which has good melt strength & outstanding physical properties to produce large part blow moulding products & sheet extrusion applications.

Q50100 meets the Food and Drug Administration requirements of 21 CFR 177.1520

KEY CHARACTERISTICS:

Good Rigidity Excellent Impact Strength Suitable for Food Packaging

NOMINAL PHYSICAL PROPERTIES:

PROPERTIES	ASTM TEST METHOD	UNIT	VALUE
TYPICAL RESIN PROPERTIES FOR Q50100:			
Density / Specific Gravity	D1505	g/cm ³	0.950
Melt Index (190°C at 21.6kg) HLMI	D1238	g/10 min	10.0
Tensile Strength at Break	D638	psi	3800
Elongation at Break	D638	%	680
Flexural Modulus	D790	psi	175000
Notched Izod impact strength	D256	KJ/m ²	40.5
ESCR (100% IGEPAL) F50	D1693B	Hrs	>300

PROCESSING METHOD:

Blow Moulding, Extrusion Sheet, Thermoforming

APPLICATIONS:

Jerry Cans
Large Foamed Parts
Industrial Parts & Pallets

NOTE:

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

HDPE

HIGH DENSITY
POLYETHYLENE
Q50100