

TECHNICAL DATASHEET

HDPE Q2050

PRODUCT DESCRIPTION

High Density Polyethylene Narrow Molecular Weight Copolymer Resin

Q2050 is a High-Density Polyethylene resin with narrow molecular weight copolymer designed to produce easy processability & good impact strength injection moulding products. It exhibits enhanced flow characteristics.

KEY CHARACTERISTICS:

Low Warpage Good Toughness Excellent Gloss

NOMINAL PHYSICAL PROPERTIES:

PROPERTIES	ASTM TEST METHOD	UNIT	VALUE
TYPICAL RESIN PROPERTIES FOR Q2050:			
Density / Specific Gravity	D1505	g/cm ³	0.952
Melt Index (190°C at 2.16kg)	D1238	g/10 min	20.0
Tensile Strength at Yield	D638	psi	3700
Elongation at Break	D638	%	250
Flexural Modulus	D790	MPa	1250
Shore Hardness D	D2240		66
Vicat Softening Point	D1525	°C	124

PROCESSING METHOD:

Injection Moulding

APPLICATIONS:

Toys
Housewares
Tamper-Evident Caps for Milk Bottles
Pails

NOTE:

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

HDPE

HIGH DENSITY
POLYETHYLENE
Q2050