



5121B

Characteristics

- High Density Polyethylene
- Pellets
- Antioxidants
- Good flowability
- Good impact strength
- High rigidity
- Good draw down

Applications:

- Film extrusion
 - Blending partner LD/HD
 - Refuse bags
 - T-shirt bags
 - Carrier bags
- Extrusion Blow Molding
 - Jerry cans

Performance Properties ⁽¹⁾	Methods	Unit	Value
Mass Density (23°C)	ISO 1183-2	g/cm ³	0.951
Melt Flow Rate (190°C/21.6kg)	ISO 1133-1	g/10min	10.5
Melting point	ISO 11357-3	°C	135
Vicat softening temperature A/50	ISO 306	°C	128
Tensile Modulus of Elasticity	ISO 527-2	MPa	1140
Elongation at Yield	ISO 527-2	%	9
Stress at Yield	ISO 527-2	MPa	26

Film Properties ⁽²⁾	Methods	Unit	Value
Max. tensile strength MD	ISO 527-3	MPa	55
Max. tensile strength TD	ISO 527-3	MPa	55
Maximum elongation MD	ISO 527-3	%	580
Maximum elongation TD	ISO 527-3	%	620
Tear strength MD	ISO 6383-2	mN	250
Tear strength TD	ISO 6383-2	mN	800
Dart Drop Impact	ISO 7765-1	g	160

(1) Typical values; not to be construed as specifications

(2) Blown film: thickness 20µm, extruded at melt temperature 220°C, blow-up ratio 4:1

Recommended Processing:

Melt temperature: 180-240°C

Film thickness: 10-50µm