

**Product Data Sheet** 

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## 5121B

Characteristics	Applications:		
<ul> <li>High Density Polyethylene</li> <li>Pellets</li> <li>Antioxidants</li> <li>Good flowability</li> <li>Good impact strength</li> <li>High rigidity</li> <li>Good draw down</li> </ul>	<ul> <li>Film extrusion</li> <li>Blending partner LD/HD</li> <li>Refuse bags</li> <li>T-shirt bags</li> <li>Carrier bags</li> <li>Extrusion Blow Molding</li> <li>Jerry cans</li> </ul>		
Performance Properties <sup>(1)</sup>	Methods	Unit	Value
Mass Density (23°C)	ISO 1183-2	g/cm <sup>3</sup>	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 <sup>(2)</sup>	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

(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:**

Dart Drop Impact

Melt temperature: 180-240°C

Film thickness: 10-50µm

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ISO 7765-1

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