

BLOW MOULDING

HD 5301 EA

HD 5301 EA is a high density polymer grade with a broad molecular weight distribution for medium and large blow moulded applications where a combination of high environmental stress cracking resistance and good rigidity is required.

HD 5301 EA has the following characteristics:

Very high environmental stress cracking resistance.

Good rigidity.

High melt strength.

High impact strength.

Applications:

- *High performance blow moulded containers typically more than 220 liters capacity for packaging aggressive products.*

TYPICAL PROPERTIES

<i>Property</i>	<i>Unit</i>	<i>Method of test</i>	<i>Value</i>
<i>Melt flow rate(21.6Kg)</i>	g/10 min	ISO 1133	11
<i>Density</i>	Kg/m ³	ISO 1183-2	953
<i>Tensile strength at yield</i>	MPa	ISO 527 1&2	25
<i>Elongation at break</i>	%	ISO 527 1&2	1030
<i>Flexural Modulus</i>	MPa	ISO 178	1050
<i>Impact Resistance, F50</i>	m	ASTM 2463	4.4
<i>BSCR, 50°C</i>	hours	ASTM 2561	360

AA: Stabilisation – **KJ:** High Slip Antiblock – **AF:** Processing Aid – **LJ:** Medium Slip, High Antiblock – **FB:** Low Gel Film – **EA:** Standard unmodified except for antioxidant – **GA:** Gas Phase Process – **UA:** UV Stabilisation

BSCR: Bottle stress cracking resistance.