

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.