

# BLOW MOULDING

## **HD 5403 EA**

HD 5403 EA is a medium molecular weight copolymer grade with a broad molecular weight distribution, which offers excellent processing properties for use in a range of blow moulding applications.

**Food Approved**

HD 5403 EA has the following characteristics :

1. *Excellent processing*
2. *Good rigidity*
3. *Good environmental stress-cracking resistance*
4. *Medium impact strength*

Applications :

1. *Blow moulded containers up to 30 liters for packaging*
2. *Chemicals*
3. *Household products*
4. *Oils and food stuffs*

### TYPICAL PROPERTIES

Property	Value	Unit	Method of test
<b>Melt flow rate(21.6Kg)</b>	0.35	g/10 min	ISO 1133
<b>Density</b>	955	Kg/m <sup>3</sup>	ISO 1872/1
<b>Tensile strength at yield</b>	26	MPa	BP 13B/ 1
<b>Elongation at break</b>	950	%	BP 13B/ 1
<b>Flexural Modulus</b>	1070	MPa	ISO 178-1975
<b>Impact Resistance, F50</b>	2.4	M	BP 13B/ 11
<b>BSCR, 50°C</b>	15	hours	BP 13C/ 25

**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

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## HD 5502 GA

HD 5502 GA is a medium molecular weight copolymer grade with a broad molecular weight distribution, which offers an optimum balance of properties for use in a wide range of blow moulded applications.

HD 5502 GA has the following characteristics :

1. *Excellent processing*
2. *Good rigidity*
3. *Good environmental stress-cracking resistance*
4. *Medium impact strength*

Applications :

1. *Blow moulded containers up to 30 liters for packaging*
2. *Chemicals*
3. *Household products*
4. *Oils and food stuffs*

### TYPICAL PROPERTIES

Property	Value	Unit	Method of test
<b>Melt flow rate(2.16Kg)</b>	0.2	g/10 min	ISO 1133
<b>Density</b>	955	Kg/m <sup>3</sup>	ISO 1872/1
<b>Tensile strength at yield</b>	26	MPa	BP 13B/ 1
<b>Elongation at break</b>	950	%	BP 13B/ 1
<b>Flexural Modulus</b>	1070	MPa	ISO 178-1975
<b>Impact Resistance, F50</b>	2.4	M	BP 13B/ 11
<b>BSCR, 50°C</b>	15	hours	BP 13C/ 25

**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

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## **HD 5301 EA**

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

**Food Approved**

HD 5301 EA has the following characteristics :

1. *Very high environmental stress cracking resistance*
2. *Good rigidity*
3. *High melt strength*
4. *High impact strength*

Applications :

1. *High performance blow moulded containers typically of to 60 liters capacity for packaging aggressive products*
2. *Robust industrial and technical mouldings*

### TYPICAL PROPERTIES

Property	Value	Unit	Method of test
<b>Melt flow rate(2.16Kg)</b>	11	g/10 min	ISO 1133
<b>Density</b>	953	Kg/m <sup>3</sup>	ISO 1872/1
<b>Tensile strength at yield</b>	26	MPa	BP 13B/ 1
<b>Elongation at break</b>	1000	%	BP 13B/ 1
<b>Impact resistance,F 50</b>	4.4	M	BP 13B/ 11
<b>Flexural modulus</b>	900	MPa	ISO 178-1975
<b>BSCR, 50°</b>	75	hours	BP 13C/ 25

**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