

Sidi Kerir Petrochemicals Co.
www.sidpec.com

BLOW MOULDING

HD 5403 EA

Food Approved

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.

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
Melt flow rate(21.6Kg)	0.35	g/10 min	ISO 1133
Density	955	Kg/m3	ISO 1872/1
Tensile strength at yield	26	MPa	BP 13B/ 1
Elongation at break	950	%	BP 13B/ 1
Flexural Modulus	1070	MPa	ISO 178-1975
Impact Resistance, F50	2.4	M	BP 13B/ 11
BSCR, 50°C	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

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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
Melt flow rate(2.16Kg)	0.2	g/10 min	ISO 1133
Density	955	Kg/m ³	ISO 1872/1
Tensile strength at yield	26	MPa	BP 13B/ 1
Elongation at break	950	%	BP 13B/ 1
Flexural Modulus	1070	MPa	ISO 178-1975
Impact Resistance, F50	2.4	M	BP 13B/ 11
BSCR, 50°C	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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BLOW MOULDING

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.

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*

Food Approved

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
Melt flow rate(2.16Kg)	11	g/10 min	ISO 1133
Density	953	Kg/m ³	ISO 1872/1
Tensile strength at yield	26	MPa	BP 13B/ 1
Elongation at break	1000	%	BP 13B/ 1
Impact resistance,F 50	4.4	M	BP 13B/ 11
Flexural modulus	900	MPa	ISO 178-1975
BSCR, 50°	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