

# 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.

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	Unit	Method of test	Value
<b>Melt flow rate(21.6Kg)</b>	g/10 min	ISO 1133	0.35
<b>Density</b>	Kg/m <sup>3</sup>	ISO 1183-2	955
<b>Tensile strength at yield</b>	MPa	ISO 527 1&2	26
<b>Elongation at break</b>	%	ISO 527 1&2	950
<b>Flexural Modulus</b>	MPa	ISO 178	1070
<b>Impact Resistance, F50</b>	m	ASTM 2463	2.4
<b>BSCR, 50°C</b>	hours	ASTM 2561	15

**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.