

BLOW MOULDING

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 | Unit | Method of test | Value |
|---------------------------|-------------------|----------------|-------|
| Melt flow rate(2.16Kg) | g/10 min | ISO 1133 | 0.2 |
| Density | Kg/m ³ | ISO 1183-2 | 955 |
| Tensile strength at yield | MPa | ISO 527 1&2 | 25 |
| Elongation at break | % | ISO 527 1&2 | 1000 |
| Flexural Modulus | MPa | ISO 178 | 1000 |
| Impact Resistance, F50 | m | ASTM 2463 | 3.3 |
| BSCR, 50°C | hours | ASTM 2561 | 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

BSCR: Bottle stress cracking resistance.