

# G-Lex B63A003

High Density Polyethylene  
Gas Authority of India Limited

Message:

G-Lex B63A003 is a High Density Polyethylene material. It is available in Asia Pacific for blow molding.  
Important attributes of G-Lex B63A003 are:  
Impact Resistant  
Antioxidant  
Good Processability  
Good Weather Resistance  
High ESCR (Stress Crack Resistant)  
Typical application of G-Lex B63A003: Containers

| General Information  |                                   |                   |             |
|--|-----------------------------------|-------------------|-------------|
| Additive   | Antioxidant                       |                   |             |
| Features   | Antioxidant                       |                   |             |
|  | Good Processability               |                   |             |
|  | Good Weather Resistance           |                   |             |
|  | High ESCR (Stress Crack Resist.)  |                   |             |
|  | High Impact Resistance            |                   |             |
|  | Low Temperature Impact Resistance |                   |             |
| Uses   | Containers                        |                   |             |
| Forms  | Pellets                           |                   |             |
| Processing Method  | Blow Molding                      |                   |             |
| Physical   | Nominal Value                     | Unit              | Test Method |
| Density  | 0.963                             | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)                  | 0.30                              | g/10 min          | ASTM D1238  |
| Environmental Stress-Cracking Resistance (10% Igepal, F50) | > 40.0                            | hr                | ASTM D1693  |
| Mechanical   | Nominal Value                     | Unit              | Test Method |
| Tensile Strength (Yield)                                   | 27.9                              | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                                 | 10                                | %                 | ASTM D638   |
| Flexural Modulus   | 981                               | MPa               | ASTM D790   |
| Impact   | Nominal Value                     | Unit              | Test Method |
| Notched Izod Impact  | 590                               | J/m               | ASTM D256   |
| Thermal  | Nominal Value                     | Unit              | Test Method |
| Vicat Softening Temperature                                | 130                               | °C                | ASTM D1525  |

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