

# G-Lene E45A003

High Density Polyethylene  
Gas Authority of India Limited

Message:  
E45A003 conform to DOT specifications for JFC (jelly filled cables) in telecommunication for sheathing.

| General Information                       |                           |                   |             |
|---|---------------------------|-------------------|-------------|
| Additive                                  | Antioxidant               |                   |             |
| Features                                  | Antioxidant               |                   |             |
|   | High Gloss                |                   |             |
|   | High Impact Resistance    |                   |             |
|   | High Stiffness            |                   |             |
|   | Low Warpage               |                   |             |
| Uses                                      | Cable Jacketing           |                   |             |
|   | Wire & Cable Applications |                   |             |
| Forms                                     | Pellets                   |                   |             |
| Processing Method                         | Extrusion                 |                   |             |
| Physical                                  | Nominal Value             | Unit              | Test Method |
| Density                                   | 0.945                     | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.60                      | g/10 min          | ASTM D1238  |
| Mechanical                                | Nominal Value             | Unit              | Test Method |
| Tensile Strength (Yield)                  | 18.6                      | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                | 14                        | %                 | ASTM D638   |
| Flexural Modulus                          | 559                       | MPa               | ASTM D790   |
| Thermal                                   | Nominal Value             | Unit              | Test Method |
| Vicat Softening Temperature               | 113                       | °C                | ASTM D1525  |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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