Product Data Sheet

August 2024

**Description**

| | LD FM M1 |
|---|---|
| **Type of Plastic** | Polyethylene |
| **Pellet Colour** | Red |

**Performance Characteristics**

| | Min | Max | Average |
|---|---|---|---|
| **Melt Flow Rate (g/10 min)** (230 °C / 2.16 kg) acc. to ASTM D 1238 | 3.95 | 5.01 | 4.48 |
| **Melting Temperature (°C)** acc. to ASTM D 3418 | 155.00 | 170.00 | 162.50 |
| **Density (g/cm3)** acc. to ASTM D 792 | 0.97 | 0.99 | 0.98 |

**Mechanical Characteristics**

| | Min | Max | Average |
|---|---|---|---|
| **Tensile Yield Strength (MPa)** acc. to ASTM D 638 tested at 50mm/min | 8.41 | 9.12 | 8.77 |
| **Tensile Yield Elongation (%)** acc. to ASTM D 638 | 87.66 | 110.10 | 98.88 |
| **Elongation at Yield (%)** acc. to ASTM D638 tested 23°C at 50mm/min | 8.45 | 10.42 | 9.44 |
| **Elongation at Break (%)** acc. to ASTM D638 tested 23°C at 50mm/min | 100.05 | 125.004 | 112.53 |
| **Notched Izod Impact Strength (J/m)** acc to. ASTM D 256 tested with 3.2 mm notched speciment at 23°C | 221.58 | 349.22 | 285.40 |
| **Hardness (R-Scale)** acc to. ASTM D 785 | 57.00 | 65.00 | 61.00 |
| **Ash Content (%)** acc to. ASTM D 2584 | 1.00 | 1.00 | 1.00 |

**Storage**

Store in the original packaging. Protect from direct exposure to sunlight and heat to prevent quality deterioration. The storage environment should be dry and dust-free, with a temperature not exceeding 50°C

**Health & Safety Information**

The product described here in may require in handing and use because toxicity, flammability or other consideration. The Material Safety Data Sheet (MSDS) containers the available product health and safety information for this material. Before using any material, a customer is advise to consult the MSDS for the product under consideration for use.

**For Additional Information**

To request additional product information or to arrange for sales assistance, please see below for contact details.

**Important Notice**

All statements, technical information and recommendations contained in this document are based upon tests or experience that BBP believes are reliable. Due to variances in raw material for the recycling process, product properties may be changed without notice. These properties are provided as a guide and should not be construed as binding specifications limits or minimum values. The suitability of the data for a specific processing method can only be ensured with trials and tests by the end user.

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