



# Maxxam™ FR PE126 BLK 3330

## Low Density Polyethylene

### Key Characteristics

#### Product Description

Maxxam™ FR flame-retardant polyolefin compounds and masterbatches meet stringent flammability performance requirements defined by industry agencies, including Underwriters Laboratories UL 94 V-2, V-0, and 5VA performance ratings. In addition, many compounds in the Maxxam FR portfolio offer elevated Relative Thermal Index (RTI) ratings.

#### General

|                       |                                          |                             |                 |
|-----------------------|------------------------------------------|-----------------------------|-----------------|
| Material Status       | • Commercial: Active                     |                             |                 |
| Regional Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features              | • Flame Retardant                        |                             |                 |
| Appearance            | • Black                                  |                             |                 |
| Forms                 | • Pellets                                |                             |                 |

### Technical Properties <sup>1</sup>

| Physical                                               | Typical Value (English) | Typical Value (SI) | Test Method     |
|--------------------------------------------------------|-------------------------|--------------------|-----------------|
| Density / Specific Gravity                             | 1.00                    | 1.00               | ASTM D792       |
| Melt Mass-Flow Rate (MFR) <sup>2</sup> (190°C/2.16 kg) | 0.30 g/10 min           | 0.30 g/10 min      | ASTM D1238      |
| Mechanical                                             | Typical Value (English) | Typical Value (SI) | Test Method     |
| Tensile Strength <sup>3</sup> (Yield)                  | 2300 psi                | 15.9 MPa           | ASTM D638       |
| Tensile Elongation <sup>3</sup> (Break)                | 140 %                   | 140 %              | ASTM D638       |
| Flammability                                           | Typical Value (English) | Typical Value (SI) | Test Method     |
| Flame Rating (0.06 in (1.6 mm))                        | V-2                     | V-2                | Internal Method |

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Procedure A

<sup>3</sup> Type I, 2.0 in/min (51 mm/min)