

Maxxam™ FR MF5420-0085 NHFR

Polypropylene
PolyOne Corporation

Message:

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 Information | | | |
|---|-------------------|-------------------|-------------|
| UL YellowCard | E76261-101148225 | | |
| Features | Flame Retardant | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.10 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg) | 7.0 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D, 10 sec) | 40 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 8.48 | MPa | ASTM D638 |
| Tensile Elongation ³ (Break) | 350 | % | ASTM D638 |
| Flexural Modulus | 262 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm, Injection Molded) | 320 | J/m | ASTM D256A |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm) | 40.0 | °C | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 1.50 mm, All Color | V-0 | | |
| 3.00 mm, All Color | V-0 | | |
| Oxygen Index | 36 | % | ASTM D2863 |
| NOTE | | | |
| 1. | Procedure A | | |
| 2. | Type I, 51 mm/min | | |
| 3. | Type I, 51 mm/min | | |

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