

# Maxxam™ FR PE CONC 1 NAT

Low Density Polyethylene

PolyOne Corporation

## Message:

Maxxam™FR flame retardant polyolefin polymers and masterbatches meet the strict flammability requirements set by the industry, including UL 94V-2,V-0 and 5VA performance grades of UL Laboratory. In addition, the various polymers in the Maxxam FR combination are also suitable for high relative temperature index (RTI) levels.

| General Information                                    |                  |                   |             |
|--------------------------------------------------------|------------------|-------------------|-------------|
| Features                                               | Flame retardancy |                   |             |
| Forms                                                  | Particle         |                   |             |
| Physical                                               | Nominal Value    | Unit              | Test Method |
| Specific Gravity                                       | 1.58             | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) <sup>1</sup> (190°C/2.16 kg) | 2.0 - 5.0        | g/10 min          | ASTM D1238  |

| Additional Information                                                                                                                                                                                                                                                                        |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| MAXXAM FR PO 浓缩 62给低密度和高密度聚乙烯带来良好的阻燃性. 因为聚乙烯的种类太多,很难预测达到特定可燃性标准所需要的稀释比.对于起点配方我们建议:4-7份(重量)低密度聚乙烯,5份(重量)高密度聚乙烯-到1份Concentrate 62.当此浓度以适当比例稀释时,制成材料可以达到与UL-94 V-2或VTM-2要求等效的阻燃性.在LDPE 薄膜 @ 4-8 mil 薄膜中使用8% PO CONC 62可达到BFD IX-1和NFPA 701性能标准 / 在厚度大于等于1.5mm的PE @ 15-30%中可达到V-2性能标准.对物理属性的影响最小. |  |  |  |

| NOTE |             |
|------|-------------|
| 1.   | Procedure A |

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