

# ExxonMobil™ HDPE HTA 108

High Density Polyethylene Resin

ExxonMobil Chemical

## Message:

HTA 108 is a homopolymer high density polyethylene film grade, which can improve stiffness and barrier properties when used in coextrusion or mixing with polyethylene. When mixed with linear low density polyethylene or metallocene linear low density polyethylene, HTA 108 can improve the processability of these materials.

| General Information                                                          |                 |          |             |
|------------------------------------------------------------------------------|-----------------|----------|-------------|
| Additive                                                                     | heat stabilizer |          |             |
| Physical                                                                     | Nominal Value   | Unit     | Test Method |
| Melt Mass-Flow Rate (MFR)                                                    |                 |          | ASTM D1238  |
| --                                                                           | 46              | g/10 min | ASTM D1238  |
| 190°C/2.16 kg                                                                | 0.70            | g/10 min | ASTM D1238  |
| Films                                                                        | Nominal Value   | Unit     | Test Method |
| secant modulus                                                               |                 |          | ASTM D882   |
| 1% secant, MD                                                                | 1200            | MPa      | ASTM D882   |
| 1% secant, TD                                                                | 1700            | MPa      | ASTM D882   |
| Tensile Strength                                                             |                 |          | ASTM D882   |
| MD: Fracture                                                                 | 60.0            | MPa      | ASTM D882   |
| TD: Fracture <sup>1</sup>                                                    | 31.0            | MPa      | ASTM D882   |
| Tensile Elongation <sup>2</sup>                                              |                 |          | ASTM D882   |
| MD: Fracture                                                                 | 510             | %        | ASTM D882   |
| TD: Fracture                                                                 | 2.0             | %        | ASTM D882   |
| Dart Drop Impact                                                             | < 30            | g        | ASTM D1709A |
| Elmendorf Tear Strength                                                      |                 |          | ASTM D1922  |
| MD                                                                           | 10              | g        | ASTM D1922  |
| TD                                                                           | 200             | g        | ASTM D1922  |
| Thermal                                                                      | Nominal Value   | Unit     | Test Method |
| Vicat Softening Temperature                                                  | 127             | °C       | ASTM D1525  |
| Additional Information                                                       |                 |          |             |
| 单层薄膜:在不要求具有高透明度时,可将 HTA108 添加到 LDPE,LLDPE 或 mLLDPE 薄膜以 提高挺度.                 |                 |          |             |
| Legal statement                                                              |                 |          |             |
| 本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用有关潜在食品接触应用合规信息(例如:FDA,EU,HPFB),请与埃克森美孚化工客户服务代表联系. |                 |          |             |
| NOTE                                                                         |                 |          |             |
| 1.                                                                           | 500 mm/min      |          |             |
| 2.                                                                           | 500 mm/min      |          |             |

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