ExxonMobil Signature Polymers

# ExxonMobil™ HD 6207FL

## High Density Polyethylene

### Product Description

ExxonMobil™ HD 6207FL is a homopolymer HDPE film grade designed to improve stiffness and barrier in coextrusion or in PE blends. When blended with LLDPE or metallocene LLDPE, ExxonMobil™ HD 6207FL improves their processability.

### General

| | | | |
|---|---|---|---|
| Availability [1] | ▪ Africa & Middle East | ▪ Asia Pacific | ▪ Europe |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: Yes |
| Applications | ▪ Blown Film<br>▪ Bread Bags<br>▪ Collation Shrink<br>▪ Food Packaging<br>▪ Form Fill And Seal Packaging<br>▪ Freezer Film | ▪ General Packaging<br>▪ Industrial Packaging<br>▪ Label Film<br>▪ Lamination Film<br>▪ Multilayer Packaging Film<br>▪ Overwrap Film | ▪ Packaging Films<br>▪ Shoppers<br>▪ Shrink Film<br>▪ Stand Up Pouches |
| Revision Date | ▪ 03/01/2014 | | |

| Resin Properties | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Density | 0.961 | g/cm³ | 0.961 | g/cm³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 0.70 | g/10 min | 0.70 | g/10 min | ASTM D1238 |
| High Load Melt Index (190°C/21.6 kg) | 46 | g/10 min | 46 | g/10 min | ASTM D1238 |

| Thermal | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Vicat Softening Temperature | 261 | °F | 127 | °C | ASTM D1525 |

| Film Properties | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Tensile Strength at Break MD | 8700 | psi | 60 | MPa | ASTM D882 |
| Tensile Strength at Break TD<br>20 in/min (500 mm/min) | 4500 | psi | 31 | MPa | ASTM D882 |
| Elongation at Break MD<br>20 in/min (500 mm/min) | 510 | % | 510 | % | ASTM D882 |
| Elongation at Break TD<br>20 in/min (500 mm/min) | 2 | % | 2 | % | ASTM D882 |
| Secant Modulus MD - 1% Secant | 170000 | psi | 1200 | MPa | ASTM D882 |
| Secant Modulus TD - 1% Secant | 250000 | psi | 1700 | MPa | ASTM D882 |
| Dart Drop Impact | < 30 | g | < 30 | g | ASTM D1709A |
| Elmendorf Tear Strength MD | 10 | g | 10 | g | ASTM D1922 |
| Elmendorf Tear Strength TD | 200 | g | 200 | g | ASTM D1922 |

### Additional Information

Monolayer Film:

ExxonMobil™ HD 6207FL can be added to LDPE, LLDPE or mLLDPE films to increase stiffness when high transparency is not mandatory.

### Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

### Processing Statement

The test specimens for Vicat Softening Point were prepared using ASTM D 4703. All film properties have been measured on 25 µm (0.98 mil) thick films (BUR of 2.5 : 1, pocket extrusion at 200°C / 392°F). Properties of coextruded films and blends can be found in the HTA108 Fact Sheet.

### Notes

Typical properties: these are not to be construed as specifications.

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: Contact Us

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