

# ExxonMobil™ EVA 5215.NM

## Ethylene Vinyl Acetate Copolymer

### Product Description

ExxonMobil™ EVA 5215.NM is a 14.9 wt% vinyl acetate copolymer film resin. Films made from EVA 5215.NM resin exhibits good impact strength and superior heat sealability.

### General

|                           |                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| Availability <sup>1</sup> | <ul style="list-style-type: none"> <li>Asia Pacific</li> <li>Latin America</li> <li>North America</li> </ul>         |
| Additive                  | <ul style="list-style-type: none"> <li>EVA 5215.NM: Antiblock: No; Slip: No; Thermal Stabilizer: Yes</li> </ul>      |
| Applications              | <ul style="list-style-type: none"> <li>Cheese Packaging</li> <li>Meat Packaging</li> <li>Primal Meat Bags</li> </ul> |
| Revision Date             | <ul style="list-style-type: none"> <li>06/11/2020</li> </ul>                                                         |

| Resin Properties           | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density                    | 0.935 g/cm <sup>3</sup> | 0.935 g/cm <sup>3</sup> | ASTM D1505        |
| Melt Index (190°C/2.16 kg) | 5.2 g/10 min            | 5.2 g/10 min            | ExxonMobil Method |
| Vinyl Acetate Content      | 14.9 wt%                | 14.9 wt%                | ExxonMobil Method |
| Peak Melting Temperature   | 192 °F                  | 89 °C                   | ExxonMobil Method |

| Thermal                     | Typical Value (English) | Typical Value (SI) | Test Based On     |
|-----------------------------|-------------------------|--------------------|-------------------|
| Vicat Softening Temperature | 144 °F                  | 62.0 °C            | ExxonMobil Method |

| Film Properties               | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Break MD  | 4300 psi                | 30 MPa             | ASTM D882     |
| Tensile Strength at Break TD  | 3200 psi                | 22 MPa             | ASTM D882     |
| Elongation at Break MD        | 380 %                   | 380 %              | ASTM D882     |
| Elongation at Break TD        | 770 %                   | 770 %              | ASTM D882     |
| Secant Modulus MD - 1% Secant | 8300 psi                | 57 MPa             | ASTM D882     |
| Secant Modulus TD - 1% Secant | 9800 psi                | 68 MPa             | ASTM D882     |
| Dart Drop Impact              | 240 g                   | 240 g              | ASTM D1709A   |
| Elmendorf Tear Strength MD    | 320 g                   | 320 g              | ASTM D1922    |
| Elmendorf Tear Strength TD    | 240 g                   | 240 g              | ASTM D1922    |

| Optical Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------|-------------------------|--------------------|---------------|
| Gloss (45°)        | 87                      | 87                 | ASTM D2457    |
| Haze               | 1.2 %                   | 1.2 %              | ASTM D1003    |

### Legal Statement

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

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

### Processing Statement

Film (2 mil / 50.8 micron) made from EVA 5215 on a 3.5 inch cast film line with a 5 inch melt curtain, 80°F (27°C) chill roll temperature at a250 ft/min take-off speed and a melt temperature between 390-450°F (199-232°C).

### Notes

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

<sup>1</sup> 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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