

# Polybutene-1 DP8911ME

Polybutylene

LyondellBasell Industries

## Message:

Polybutene-1 grade DP8911ME is a random copolymer of butene-1 with high ethylene content.

DP8911ME is primarily used as a blend component in hot melt adhesive (HMA) formulations and sealant compounds, in order to increase open time and maintain mechanical integrity at higher temperatures (higher shear adhesion failure temperature or SAFT). It can be used in combination with a wide variety of non-polar resins and waxes.

Food law compliance information about this product can be found in separate product documentation.

This product is not intended for use in medical and pharmaceutical applications.

| General Information                       |                       |          |             |
|---|-----------------------|----------|-------------|
| Features                                  | Random Copolymer      |          |             |
| Uses                                      | Adhesives             |          |             |
|   | Meltblown Nonwovens   |          |             |
|   | Nonwovens             |          |             |
|   | Plastics Modification |          |             |
|   | Sealants              |          |             |
|   | Spunbond Nonwovens    |          |             |
|   | Staple Fibers         |          |             |
| Physical                                  | Nominal Value         | Unit     | Test Method |
| Density                                   | 0.895                 | g/cm³    | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | > 200                 | g/10 min | ISO 1133    |
| Mechanical                                | Nominal Value         | Unit     | Test Method |
| Tensile Modulus <sup>1</sup>              | 120                   | MPa      | ISO 527-2   |
| Thermal                                   | Nominal Value         | Unit     | Test Method |
| Melting Temperature                       | 93.0                  | °C       | DSC         |
| Extrusion                                 | Nominal Value         | Unit     |             |
| Melt Temperature                          | 150 to 180            | °C       |             |
| NOTE                                      |                       |          |             |

1. Conditioned for 10 days at 20°C

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## Recommended distributors for this material

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