



# AGILITY™ EC 7220 Performance LDPE

The Dow Chemical Company - Low Density Polyethylene Resin

Tuesday, November 5, 2019

## General Information

### Product Description

AGILITY™ EC 7220 Performance LDPE is a high melt strength LDPE, designed for the foam industry. This resin enables the stable production of very low density foams. It can be used both in crosslinked and non-crosslinked products.

Complies with:

- Europe Commission Regulation (EU) No 10/2011.
- U.S. FDA 21 CFR 177.1520(c)2.1.

Consult the regulations for complete details.

### General

|                 |                      |                              |  |
|-----------------|----------------------|------------------------------|--|
| Material Status | • Commercial: Active |                              |  |
| Availability    | • Europe             | • North America              |  |
| Agency Ratings  | • EU No 10/2011      | • FDA 21 CFR 177.1520(c) 2.1 |  |
| Forms           | • Pellets            |                              |  |

## ASTM & ISO Properties <sup>1</sup>

| Physical                                       | Nominal Value | Unit     | Test Method |
|------------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                     | 0.920         |          | ASTM D792   |
| Melt Mass-Flow Rate (190°C/2.16 kg)            | 1.5           | g/10 min | ASTM D1238  |
| Mechanical                                     | Nominal Value | Unit     | Test Method |
| Tensile Strength (Break, Compression Molded)   | 1990          | psi      | ISO 527-2   |
| Tensile Elongation (Break, Compression Molded) | 540           | %        | ISO 527-2   |
| Flexural Modulus (Compression Molded)          | 33400         | psi      | ISO 178     |
| Hardness                                       | Nominal Value | Unit     | Test Method |
| Shore Hardness (Shore D, Compression Molded)   | 52            |          | ASTM D2240  |
| Thermal                                        | Nominal Value | Unit     | Test Method |
| Vicat Softening Temperature                    | 194           | °F       | ASTM D1525  |

## Processing Information

| Extrusion        | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 226           | °F   |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.