



AGILITY™ EC 7220 Performance LDPE

Low Density Polyethylene Resin

Overview

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.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.918 g/cm ³	0.918 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	1.5 g/10 min	1.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break, Compression Molded)	1990 psi	13.7 MPa	ISO 527-2
Tensile Elongation			ISO 527-2
Break, Compression Molded	540 %	540 %	
Flexural Modulus (Compression Molded)	33400 psi	230 MPa	ISO 178
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore D, Compression Molded)	52	52	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	194 °F	90.0 °C	ASTM D1525
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	226 °F	108 °C	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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