



DOW™ LDPE 740E

Low Density Polyethylene Resin

Overview

DOW™ LDPE 740E Low Density Polyethylene Resin has been designed with a specific focus on the compounding industry. DOW™ LDPE 740E displays good processability, ease of blending, and a controlled, low gel level. The resin is therefore suitable for the production of high quality masterbatches.

Main Characteristics:

- Designed for compounding
- Good blendability
- Good processability
- Consistently low gel level

Complies with:

- EU, No 10/2011
- U.S. FDA 21 CFR 177.1520(c)2.2

Consult the regulations for complete details.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.920 g/cm ³	0.920 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	7.5 g/10 min	7.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	1310 psi	9.00 MPa	
Break, Compression Molded	1310 psi	9.00 MPa	
Tensile Strain (Break, Compression Molded)	95 %	95 %	ISO 527-2
Flexural Modulus (Compression Molded)	40600 psi	280 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Impact Strength (Compression Molded)	119 ft-lb/in ²	250 kJ/m ²	ISO 8256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore D, Compression Molded)	50	50	ISO 868
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	199 °F	93.0 °C	ASTM D1525 ¹
Melting Temperature (DSC)	228 °F	109 °C	Dow Method

Notes

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

¹ Rate B (120°C/h)

