

# DOW™ LDPE 750E

Low Density Polyethylene Resin  
The Dow Chemical Company

Message:

DOW LDPE 750E Polyethylene Resin is a low molecular weight, low density compounding grade designed for masterbatch production. The product gives an excellent combination of processability and blendability.

Main Characteristics:

- Low gel specification.
- Excellent processability.
- Low power consumption.
- Excellent additive retention.
- Good oxygen induction time.

Complies with:

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

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	51		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	6.45	MPa	
Break, Compression Molded	9.25	MPa	
Tensile Elongation (Break, Compression Molded)	77	%	ASTM D638
Flexural Modulus (Compression Molded)	195	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (Compression Molded)	291	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	91.0	°C	ASTM D1525
Melting Temperature (DSC)	109	°C	Internal Method

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