

# DOW™ HDPE 90057L

High Density Polyethylene Resin

The Dow Chemical Company

## Message:

DOW™ HDPE 90057L is a High Density Polyethylene Resin material. It is available in Latin America.

Important attributes of DOW™ HDPE 90057L are:

Antiblock

Processing Aid

Slip

Typical application of DOW™ HDPE 90057L: Food Contact Applications

General Information			
Agency Ratings	EU No 10/2011 FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.956	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.29	g/10 min	
190°C/21.6 kg	27	g/10 min	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
Film Puncture Resistance (15 µm)	5.60	J/cm <sup>3</sup>	Internal Method
Secant Modulus			ASTM D882
2% Secant, MD : 15 µm	893	MPa	
2% Secant, TD : 15 µm	1060	MPa	
Tensile Strength			ASTM D882
MD : Yield, 15 µm	30.0	MPa	
TD : Yield, 15 µm	30.0	MPa	
MD : Break, 15 µm	41.0	MPa	
TD : Break, 15 µm	31.0	MPa	
Tensile Elongation			ASTM D882
MD : Yield, 15 µm	320	%	
TD : Yield, 15 µm	750	%	
Dart Drop Impact (15 µm)	50	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 15 µm	5.0	g	
TD : 15 µm	47	g	
Extrusion	Nominal Value	Unit	
Melt Temperature	210	°C	

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### Recommended distributors for this material

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