

# DOW™ LDPE 203M

Low Density Polyethylene Resin

The Dow Chemical Company

## Message:

DOW™ LDPE 203M is a Low Density Polyethylene Resin material. It is available in Latin America.

Typical application of DOW™ LDPE 203M: Food Contact Applications

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.50		
vs. Itself - Static	0.58		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Puncture Resistance (50 µm)	5.00	J/cm <sup>3</sup>	Internal Method
Tensile Strength			ASTM D882
MD : Yield, 50 µm	10.0	MPa	
TD : Yield, 50 µm	10.0	MPa	
MD : Break, 50 µm	23.0	MPa	
TD : Break, 50 µm	18.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	420	%	
TD : Break, 50 µm	680	%	
Dart Drop Impact (50 µm)	240	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	190	g	
TD : 50 µm	220	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	34		ASTM D2457
Haze (50.0 µm)	15	%	ASTM D1003
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	217	°C	

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Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

