

# SABIC® LDPE 2101N0W

LOW DENSITY POLYETHYLENE

## TYPICAL PROPERTY VALUES

Revision 20170531

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 190 °C and 2.16 kg	0.85	dg/min	ISO 1133
<b>Density</b>	921	kg/m <sup>3</sup>	ISO 1183 (A)
<b>OPTICAL PROPERTIES</b>			
<b>Haze</b>	9	%	ASTM D1003A
<b>Clarity</b>	30	mV	SABIC method
<b>FILM PROPERTIES</b>			
<b>Impact strength</b>	25	kJ/m	ASTM D4272
<b>Tear strength TD</b>	30	kN/m	ISO 6383-2
<b>Tear strength MD</b>	40	kN/m	ISO 6383-2
<b>Tensile test film</b>			
Yield stress TD	11	MPa	ISO 527-3
Stress at break MD	25	MPa	ISO 527-3
Modulus of elasticity TD	170	MPa	ISO 527-3
Stress at break TD	20	MPa	ISO 527-3
<b>Tensile test film</b>			
Strain at break TD	> 500	%	ISO 527-3
Strain at break MD	> 200	%	ISO 527-3
<b>Coefficient of friction</b>	1.0	-	ASTM D1894
<b>Blocking</b>	50	g	SABIC method
<b>Re-blocking</b>	50	g	SABIC method
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
at 10 N (VST/A)	93	°C	ISO 306

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