

Technical Data Sheet (TDS)

LOW DENSITY POLYETHYLENE(LDPE) 823N

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190°C and 2.16 kg	0.80	g/10 min	ASTM D1238
Density			
at 23°C	923	kg/m ³	ASTM D1505
FORMULATION			
Slip agent	☑	-	-
Anti block agent	☑	-	-
MECHANICAL PROPERTIES			
Dart Impact Strength	2	g/μm	ASTM D1709
OPTICAL PROPERTIES			
Haze ⁽¹⁾	10	%	ASTM D1003
Gloss			
at 45°	55	-	ASTM D2457
FILM PROPERTIES			
Tensile Properties			
stress at break, MD	29	MPa	ASTM D882
stress at break, TD	25	MPa	ASTM D882
strain at break, MD	240	%	ASTM D882
strain at break, TD	650	%	ASTM D882
stress at yield, MD	12	MPa	ASTM D882
stress at yield, TD	12	MPa	ASTM D882
1% secant modulus, MD	208	MPa	ASTM D882
1% secant modulus, TD	200	MPa	ASTM D882

For your reference only.

