

# SABIC® LDPE HP0823JN

## LOW DENSITY POLYETHYLENE

### DESCRIPTION

HP0823JN is a Low Density Polyethylene grade formulated with slip and antiblock additives. It typically exhibits good melt strength with good draw down ability. Films typically exhibit good toughness and good biaxial shrink properties

### TYPICAL APPLICATIONS

Shrink film, thin industrial film, thin packaging film, bag & pouches. This grade enables high speed converting without sticking.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	0.80	g/10 min	ASTM D1238
<b>FORMULATION</b>			
Slip agent	<input checked="" type="checkbox"/>	-	-
Anti block agent	<input checked="" type="checkbox"/>	-	-
<b>OPTICAL PROPERTIES</b>			
Haze <sup>(1)</sup>	10	%	ASTM D1003
<b>FILM PROPERTIES</b>			
<b>Tensile Properties</b>			
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	210	MPa	ASTM D882
<b>Tear Resistance</b>			
MD	10	g/μm	ASTM D1922
TD	6	g/μm	ASTM D1922
<b>Dart Impact F50</b>	2	g	ASTM D1709
<b>THERMAL PROPERTIES</b>			
Vicat Softening Temperature	95	°C	ASTM D1525