

TECHNICAL DATASHEET

LLDPE 218 Series



PRODUCT DESCRIPTION

218B is a butene Linear Low Density Polyethylene grade designed to provide easy processing and specially formulated for optimum thermal stability at high processing temperatures used during production of Cast films. Films produced using this resin gives excellent optical properties, good puncture resistance and tear strength.

TRPICAL APPLICATION

Cling film, Stretch films for manual and pellet wrap, melt embossed films and other general-purpose applications.

GRADE	SLIP (PPM)	ANTIBLOCK (PPM)
218N	None	None
218W	1500	3500

TYPICAL DATA

RESIN PROPERTIES	UNIT	VALUE ⁽¹⁾	ASTM METHOD
Melt Flow Rate @ 190°C & 2.16 Kg load	g/10 min.	2	D 1238
Density	Kg/m ³	918	D 1505
MECHANICAL PROPERTIES⁽²⁾			
Tensile Strength @ break, MD	MPa	35	D 882
TD		29	
Tensile Elongation @ break, MD	%	700	D 882
TD		750	
Tensile Strength @ yield, MD	MPa	12	D 882
TD		10	
1% Secant Modulus, MD	MPa	220	D 882
TD		260	
Puncture Resistance	J/mm.	63	SABIC Method
Dart Impact Strength	g	85	D 1709
Elmendorf Tear Strength, MD	g	130	D 1922
TD		320	