

SABIC

LLDPE

218WJ

Product information

Manufacturer	Saudi Basic Industry Corporation
Color	NC
Process	Extrusion molding
Material Attribute	Film grade Antiblock C4
Features	Good tensile propertiesHigh impactGood Optical PropertiesTNPP freeGood moldabilityButene comonomer
Application	LinersLamination filmPackagingShopping bagTrash bagCoextrusions filmConsumer applicationsGeneral purpose
Additives	Antiblock Slip Agent

Mechanical behavior	Condition	Standard	Value	Unit
Elmendorf	Tear Strength Flow	ASTM D1922	130	g
Elmendorf	Tear Strength xFlow	ASTM D1922	320	g
Elongation	Flow Break	ASTM D882	700	%
Elongation	xFlow Break	ASTM D882	750	%
Falling	Weight Impact Strength	ASTM D1709	85	g/μm
Puncture	Resistance	INTERNAL METHOD	63	J/m
Tensile	Modulus Flow 1% Secant	ASTM D882	220	MPa
Tensile	Modulus xFlow 1% Secant	ASTM D882	260	MPa
Tensile	Strength Flow Break	ASTM D882	35	MPa
Tensile	Strength xFlow Break	ASTM D882	29	MPa
Tensile	Strength Flow Yield	ASTM D882	12	MPa
Tensile	Strength xFlow Yield	ASTM D882	10	MPa

Optical performance	Condition	Standard	Value	Unit
Gloss	60°	ASTM D2457	80	%
Haze		ASTM D1003	13	%

Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	918	kg/m ³
Melt	Index 190°C 2.16kg	ASTM D1238	2	g/10min

Thermal	Condition	Standard	Value	Unit
Vicat	Softening Temperature	ASTM D1525	98	°C