

# ExxonMobil

mLLDPE

8784MK

## Product information

Manufacturer	ExxonMobil Chemical Company
Color	NC
Material Shape	Pellets
Process	Blow molding
Polymer	Copolymer
Material Attribute	Film grade Blowing grade Antiblock C6
Features	High toughnessGood processabilityGood sealingEthylene 1-hexene copolymer
Application	Barrier filmFreeze filmLaminated sacksLiquids packagingSachet
Additives	Antiblock Heat Stabilizer Processing Aid Slip Agent

Mechanical behavior	Condition	Standard	Value	Unit
Elmendorf	Tear Strength Flow	ASTM D1922	310	g
Elmendorf	Tear Strength xFlow	ASTM D1922	460	g
Elongation	Flow Break	ASTM D882	330	%
Elongation	xFlow Break	ASTM D882	620	%
Falling	Weight Impact Strength	ASTM D1709	910	g
Puncture	Resistance	INTERNAL METHOD	55	N
Puncture	Resistance	INTERNAL METHOD	4.2	J
Secant	Modulus 1% Flow	ASTM D882	170	MPa
Secant	Modulus 1% xFlow	ASTM D882	210	MPa
Tensile	Strength Flow Yield	ASTM D882	8.6	MPa
Tensile	Strength xFlow Yield	ASTM D882	9.4	MPa
Tensile	Strength Flow Break	ASTM D882	60	MPa
Tensile	Strength xFlow Break	ASTM D882	50	MPa

Optical performance	Condition	Standard	Value	Unit
Gloss	45°	ASTM D2457	34	
Haze		ASTM D1003	20	%

Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.914	g/cm <sup>3</sup>
Melt	Index 190°C 2.16kg	ASTM D1238	0.80	g/10min

Thermal	Condition	Standard	Value	Unit
Melting	Temperature Peak	INTERNAL METHOD	121	°C