

# mLLDPE

## D173

Product information				
Part Marking Code	mLLDPE			
Color	NC			
Material Shape	Pellets			
Process	Extrusion molding			
Polymer	Copolymer			
Material Attribute	Film grade			
Features	Hexene copolymer, high definition, high gloss, high toughness, low specific gravity, good heat sealing, metallocene			
Application	Casting film, stretch wrap			
Optical performance	Condition	Standard	Value	Unit
Gloss	60° 25µm Cast Film	ASTM D2457	140	
Haze	25.00µm Cast Film	ASTM D1003	2	%
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Flow Break 25µm Cast Film	ASTM D882	500	%
Elongation	xflow Break 25µm Cast Film	ASTM D882	580	%
Elmendorf tear strength	Flow 25µm Cast Film	ASTM D1922	300	g
Elmendorf tear strength	xflow 25µm Cast Film	ASTM D1922	500	g
Tensile Strength	Flow Break 25µm Cast Film	ASTM D882	54	MPa
Tensile Strength	xflow yield 25µm Cast Film	ASTM D882	10	MPa
Tensile Strength	xflow Break 25µm Cast Film	ASTM D882	38	MPa
Tensile Strength	xflow yield 25µm Cast Film	ASTM D882	9	MPa
Tensile Modulus	Flow 25µm 1%Secant Cast Film	ASTM D882	103	MPa
Tensile Modulus	xflow 25µm 1%Secant Cast Film	ASTM D882	110	MPa
Friction Coefficient	25µm Cast Film	ASTM D1894	1	
Drop hammer impact	25µm Cast Film	ASTM D1709	450	g/mil
Thermal	Condition	Standard	Value	Unit
Heat seal temperature	25µm Cast Film 0.5s	ASTM F88	101	°C
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.918	g/cm <sup>3</sup>
Melt Index	190°C 2.16kg	ASTM D1238	3.5	g/10min