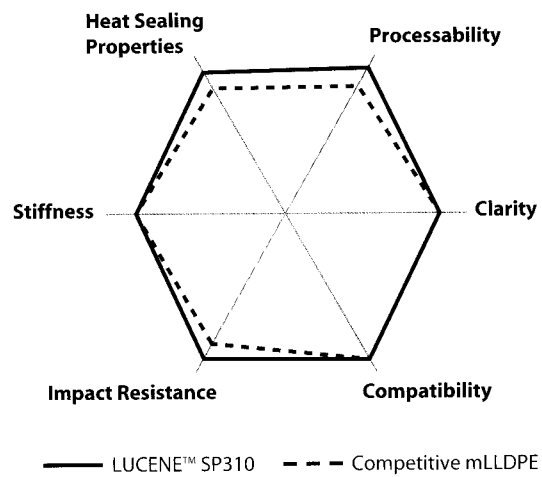




# SP310

Characteristics : Excellent Processability  
Excellent Impact Resistance  
Superior Optical Properties  
Excellent Heat Sealing Properties  
Excellent Compatibility with LDPE and LLDPE  
Processing Temperature : 160 ~ 190 °C

SP310 meet the requirements of the US Food and Drug Administration(FDA) regulation 21 CFR 177.1520.





# SP310

Lamination Film, Shrink Film, Heavy Duty Bags, Agricultural Film

Physical Properties	Test Methods	Conditions	Units	Values
Melt Flow Rate (MFR)	ASTM D1238	2.16kg/190°C	g/10min	1.3
Density	ASTM D1505	23°C	g/cm <sup>3</sup>	0.920
Melting Temperature	DSC	-	°C	117
Film Properties(50µm)	Test Methods	Conditions	Units	Values
Tensile Strength at Break	ASTM D638	500mm/min	kg/cm <sup>2</sup>	500 (MD)
				450 (TD)
Elongation	ASTM D638	500mm/min	%	600 (MD)
				650 (TD)
Elmendorf Tear Strength	ASTM D1922	-	g/µm	12 (MD)
				17 (TD)
HAZE	ASTM D1003	-	%	10
Dart Falling Impact Strength	ASTM D1709	-	g	> 1000

#### ◆ Film Processing Condition

Processing Machine : ø50mm Blown film extruder

Processing Temperature :	C1	C2	C3	AD	D1	D2
	140°C	160°C	170°C	170°C	170°C	170°C

Blow up ratio : 2.5

#### ◆ Additives : Anti-oxidant, Anti-blocking Agent, Polymer Processing Aid

※ The data and information represented herein are intended as a general guide only and are not construed as specification limits. Since the actual processing conditions of our products may vary and are beyond our control, establishing satisfactory performance of the resin for the intended application is the customer's sole responsibility.