



## Linear Low Density Polyethylene ( LLDPE ) -- Cast Flim Grade Data Sheets

Grade			C4 Cast Flim	C6 Cast Flim
			3225	2125
Properties	Unit	Method		
Melt Index MI <sub>2.16</sub>	g/10min	ASTM D1238	2.0	2.0
Density	g/cm <sup>3</sup>	ASTM D1505	0.920	0.918
<b>Thermal Properties</b>				
Melting point	°C	DSC	122	121
Brittleness point	°C	ASTM D746	<-70	<-70
Softening point	°C	ASTM D1525	93	93
<b>Mechanical Properties</b>				
Tensile strength at yield	Kg/cm <sup>2</sup>	ASTM D882B MD/TD	100/110	100/110
Tensile strength at break	Kg/cm <sup>2</sup>	ASTM D882B MD/TD	360/280	330/250
Elongation at break	%	ASTM D882B MD/TD	600/800	540/710
Secant Modulus 1%	Kg/cm <sup>2</sup>	ASTM D882B MD/TD	1500/2100	1800/1700
Elmendorf Tear Resistance	g/25 μm	ASTM D1922 MD/TD	110/300	260/570
Dart Drop Test	g	ASTM D1709	120	150
<b>Optical Properties</b>				
Haze	%	ASTM D1003	3	3
Gloss45 °	%	ASTM D2457	96	96
Clarity	%		95	95
<b>Additives</b>				
Slip Agent			no	no
Antiblocking Agent			no	no
<b>Characteristics</b>			High Puncture Resistance Greater Drawdown Good extrudability	Better Sealing High output Rate Excellent Drawdown High Puncture Resistance
<b>Applications</b>			Cast Stretchfilm Overwrap Film	Cast Stretchfilm Overwrap Film

- PS.: 1.Flim Processing Conditions : Output 10kg/hr · BUR=2.0 · Thickness Blown flim=38 μm · Cast flim20 μm  
 2.The 4th character of Grade name represent the type of additive 0:nomoral antioxidant · 4:high slipping and antiblocking agent · 5:ZnO Neutralizer · 6:Anti UV ·  
 3.Data shown are average values and should not be examined for specifications ·