

# PTT

## mLLDPE

### LL7835A

Product information				
Manufacturer	PTT Global Chemical Public Company Limited			
Color	NC			
Material Shape	Pellets			
Process	Extrusion molding Blow molding Cast molding			
Polymer	Metallocene			
Material Attribute	Film grade Unantiblock Food Contact grade C6			
Features	Non slip agentGood mechanical propertiesHigh drop weight impact resistanceHigh impactHigh tensile strengthHexene comonomerMetallocene			
Application	Food packaging applicationHeavy duty filmsLamination filmPackaging filmBlown filmCast filmCast stretch filmFilmLiners filmMonolayer filmMulti-layer film			
Blow Molding	Condition	Standard	Value	Unit
Die	Temperature	170~190	°C	
Melt	Temperature	160~180	°C	
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Flow Break 25µm Blown Film	ASTM D882	850	%
Elongation	xFlow Break 25µm Blown Film	ASTM D882	900	%
Falling	Weight Impact Strength 25µm Blown Film	ASTM D1709	140	g
Tearing	Strength Flow 25µm Blown Film	ASTM D1922	140	g
Tearing	Strength xFlow 25µm Blown Film	ASTM D1922	180	g
Tensile	Modulus Flow 25µm 1% Secant Blown Film	ASTM D882	230	MPa
Tensile	Modulus xFlow 25µm 1% Secant Blown Film	ASTM D882	250	MPa
Tensile	Strength Flow Break 25µm Blown Film	ASTM D882	45	MPa
Tensile	Strength xFlow Break 25µm Blown Film	ASTM D882	40	MPa
Optical performance	Condition	Standard	Value	Unit
Gloss	45° 25µm Blown Film	ASTM D2457	27	
Haze	25µm Blown Film	ASTM D1003	19	%
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	0.920	g/cm <sup>3</sup>
Melt	Index 190°C 2.16kg	ASTM D1238	3.5	g/10min
Thermal	Condition	Standard	Value	Unit
Melting	Temperature	ASTM D3418	118	°C
Vicat	Softening Temperature	ASTM D1525	107	°C