



Linear Low Density Polyethylene (LLDPE) -- Injection Grade Data Sheets

Grade			Injection	
			3470	3490
Properties	Unit	Test Method		
Melt Index $MI_{2.16}$	g/10min	ASTM D1238	25.0	50
Density	g/cm ³	ASTM D1505	0.926	0.926
Thermal properties				
Melting point	°C	FPC Method	124	124
Brittleness point	°C	ASTM D746	<-70	<-70
Softening point	°C	ASTM D1525	95	95
Mechanical properties				
Tensile strength at yield	Kg/cm ²	ASTM D638	120	120
Tensile strength at break	Kg/cm ²	ASTM D638		
Elongation at break	%	ASTM D638	850	350
Tensile Impact Strength	kg. cm/cm ²	ASTM D1822		
Izod Impact Strength	Kg-cm/cm notch	ASTM D256		
Hardness	Shore D	ASTM D2240	50	50
ESCR	Hours	ASTM D1693		
Electrical properties				
Dielectric Constant 1MHz		ASTM D1531		
Volume Resistivity	Ohm-cm	ASTM D257		
Characteristics			Excellent flow Good softness Suitable for very fast cycling applications	Excellent flow Good softness Suitable for very fast cycling applications
Application			Housewares Very thin walled food containers Lids	Housewares Very thin walled food containers Lids

PS.: 1. Processing Condition : Injection Temperature= 170 - 190°C

2. Data shown are average values and should not be examined for specifications .