

LOTTE CHEMICAL

January, 2013

SÉETEC UL814

Linear Low Density Polyethylene

General Information

Description

Good moldability, High toughness, Good ESCR, Butene copolymer

Applications

◆ Injection molding(housewares, lids)

Physical Properties¹

Physical Properties ¹					
Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	20	g/10min		
Density	ASTM D1505	0.924	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	120	kgf/cm²	11.8	Mpa
Tensile Strain (Break)	ASTM D638	>700	%	>700	%
Flexural Modulus	ASTM D790	3,100	kgf/cm²	304	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	20	kgf-cm/cm	2.0	J/m
Thermal					
VICAT Softening Point	ASTM D1525	100	°C		
Brittle Temperature	ASTM D746	<-100	°C		
Additional Properties					
ESCR	ASTM D1693	150	F50 Hours		

NOTE

ISO 9001, 14001, ITS 16949

¹ Physical Properties : these are not to be construed as specifications