

UL814

Linear Low Density Polyethylene

General Information

Description

- ◆ For Injection Molding
- ◆ Good processability, Good mechanical properties

Applications

- ◆ Housewares, Closures for containers

Properties ¹			
Physical	Test Method	Nominal Values	
Melt Flow Index (190°C, 2.16kg)	ASTM D1238	20.0 g/10min	
Density	ASTM D1505	0.924 g/cm ³	
Mechanical			
Tensile Stress (Yield)	ASTM D638	105 kgf/cm ²	10.3 MPa
Tensile Strain (Break)	ASTM D638	≥500 %	
Flexural Modulus	ASTM D790	3,500 kgf/cm ²	343 MPa
Impact			
Notched IZOD Impact Strength (23°C)	ASTM D256	NB kgf·cm/cm	
Thermal			
VICAT Softening Point	ASTM D1525	94 °C	
Additional Properties			
Hardness (Shore D)	ASTM D2240	45 D scale	
ESCR	ASTM D1693	>150 F ₅₀ hr	

NOTE

ISO 9001, 14001, /TS 16949

¹ Properties: these are not to be construed as specifications