

## General Information

### Description

- ◆ UL814 is a LLDPE resin produced via Unipol process technology and suitable for injection molding.
- ◆ Good moldability, High toughness, Good ESCR, Butene copolymer

### Applications

- ◆ Injection molding(housewares, lids)

## Properties<sup>1</sup>

Physical	Test Method	Nominal Values			
Melt Flow Index (190°C, 2.16kg)	ASTM D 1238	20	g/10min		
Density	ASTM D 1505	0.924	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D 638	105	kgf/cm <sup>2</sup>	10.3	MPa
Tensile Strain (Break)	ASTM D 638	≥500	%	≥500	%
Flexural Modulus	ASTM D 790	3,500	kgf/cm <sup>2</sup>	343	MPa
<b>Impact</b>					
Notched IZOD Impact Strength (23°C)	ASTM D 256	NB	kgf·cm/cm	NB	J/m
<b>Thermal</b>					
VICAT Softening Point	ASTM D 1525	94	°C		
Brittle Temperature	ASTM D 746	<-100			
<b>Additional</b>					
Hardness	ASTM D 2240	45	D scale		
ESCR	ASTM D 1693	>150	F <sub>50</sub> Hours		

## NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Properties : these are not to be construed as specifications