

## SEE TEC UR744

## Linear Low Density Polyethylene

### General Information

#### Description

- ◆ UR744 is a butene copolymer produced via Unipol process technology and suitable for rotational molding.
- ◆ Broad molding latitude, Good Grindability
- ◆ Good Color stability & ESCR

#### Applications

- ◆ Rotational molding(Storage container)

### Physical Properties<sup>1</sup>

Physical	Test Method	Nominal Values	
Melt Flow Index	ASTM D1238	6.0	g/10min
Density	ASTM D1505	0.932	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Stress (Yield)	ASTM D638	155	kgf/cm <sup>2</sup> 15.2 MPa
Tensile Stress (Break)	ASTM D638	250	kgf/cm <sup>2</sup> 24.5 MPa
Tensile Strain (Break)	ASTM D638	900	%    900 %
Flexural Modulus	ASTM D790	6,400	kgf/cm <sup>2</sup> 628 MPa
<b>Impact</b>			
Notched Izod Impact Strength (23 °C)	ASTM D256	60	kgf-cm/cm    588 J/m
<b>Thermal</b>			
Melting Point	LC Method	122	°C
VICAT Softening Point	ASTM D1525	110	°C
Brittle Temperature	ASTM D746	<-118	°C
<b>Additional Properties</b>			
ESCR	ASTM D1693	>300	F50 Hours

#### NOTE

ISO 9001, 14001, ITS 16949