

### General Information

#### Description

- ◆ UR644 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	5.0	g/10min		
Density	ASTM D1505	0.935	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	165	kgf/cm <sup>2</sup>	16.2	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	7,000	kgf/cm <sup>2</sup>	686	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	60	kgf-cm/cm	588	J/m
<b>Thermal</b>					
Melting Point	LC Method	124	℃		
VICAT Softening Point	ASTM D1525	110	℃		
Brittle Temperature	ASTM D746	<-118	℃		
<b>Additional Properties</b>					
ESCR	ASTM D1693	>300	F50 Hours		

#### NOTE

ISO 9001, 14001, /TS 16949

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