

General Information

Description

- ◆ UR654 is a butene copolymer produced via Unipol process technology and suitable for rotational molding.
- ◆ Broad molding latitude, Good Grindability
- ◆ Good Color stability & ESCR
- ◆ Excellent stiffness

Applications

- ◆ Rotational molding(Storage container)

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	3.2	g/10min		
Density	ASTM D1505	0.938	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	180	kgf/cm ²	17.7	MPa
Tensile Stress (Break)	ASTM D638	250	kgf/cm ²	24.5	MPa
Tensile Strain (Break)	ASTM D638	900	%	900	%
Flexural Modulus	ASTM D790	8,000	kgf/cm ²	785	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	50	kgf-cm/cm	490	J/m
Thermal					
Melting Point	LC Method	128	℃		
VICAT Softening Point	ASTM D1525	120	℃		
Brittle Temperature	ASTM D746	<-118	℃		
Additional Properties					
ESCR	ASTM D1693	>300	F50 Hours		

NOTE

ISO 9001, 14001, /TS 16949

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