

ASTM Property

Grade	UR644
Product	LLDPE

General Information

Key Features

- For Rotational molding
- Broad molding latitude, Good grindability
- Good color stability, Good UV and Weather resistance

Applications Rotational molding applications(water tank, toys and leisure)

Item	Measuring Method	Unit	Value
Physical			
Melt Flow Index	ASTM D1238	g/10min	5.0
Density	ASTM D1505	g/cm ³	0.935
Mechanical			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	165
Tensile Strain (Break)	ASTM D638	%	900
Flexural Modulus	ASTM D790	kgf/cm ²	7,000
Impact			
Izod Impact Strength (notched) (23°C)	ASTM D256	kgf·cm/cm	N.B.
Thermal			
VICAT Softening Temperature	ASTM D1525	°C	110
Additional Properties			
ESCR	ASTM D1693	F _{50hr}	>96

1. Physical Properties : these are not to be construed as specifications
2. IZOD Impact Strength, N.B.(non break) / ESCR condition B(50°C, 10 vol% solution)

* The last update date : 2026/06/01