



Formosa Plastics®

Formolene® LLDPE

# Formolene® L64220U

Linear Low Density Polyethylene  
Hexene Copolymer for Rotational Molding

Formolene® L64220U is a general-purpose rotational molding linear low density resin made using the BP Gas Phase Process™. The resin exhibits excellent ESCR and low temperature impact strength.

Formolene® L64220U is also fully UV stabilized.

Formolene® L64220U meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

### Suggested Applications:

- Large Playground Equipment
- Large Tanks
- Agricultural and Chemical Storage Tanks

### Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.942
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min.	2.0
Flexural Modulus (1.3 mm/min)	D790	psi.	120,000
Tensile Strength at Yield, (50 mm/min)	D638	psi.	3,100
Tensile Elongation at Yield, (50 mm/min)	D638	%	11.0
Heat Deflection Temperature, (66 psi.)	D648	°C	62
Low Temperature Impact*	ARM	ft-lbs.	60
Environmental Stress Crack Resistance, ESCR**, Condition A, F <sub>50</sub>	D1693		
100% Igepal		hrs.	>1,000
10% Igepal		hrs.	500

\* Tested using 1/8 inch specimen at -40°C

\*\* ESCR values were obtained using compression molded samples

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