



Formosa Plastics®

Formolene® LLDPE

Formolene® L63935U

Linear Low Density Polyethylene
Hexene Copolymer for Rotational Molding

Formolene® L63935U 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® L63935U is also fully UV stabilized.

Formolene® L63935U 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:

Toys	Medium Tanks
Playground Equipment	Drums
Agricultural and Chemical Storage Tanks	

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.939
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min.	3.5
Flexural Modulus (1.3 mm/min)	D790	psi.	110,000
Tensile Strength at Yield, (50 mm/min)	D638	psi.	3,300
Tensile Elongation at Yield, (50 mm/min)	D638	%	11.3
Heat Deflection Temperature, (66 psi.)	D648	°C	54
Low Temperature Impact*	ARM	ft-lbs.	60
Environmental Stress Crack Resistance, ESCR**, Condition A, F ₅₀	D1693		
100% Igepal		hrs.	>1,000
10% Igepal		hrs.	400

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

** ESCR values were obtained using compression molded samples

Published 08/04, Revised 8/10

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

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ISO 9001:2008
FS 70459
FM 31429



ISO 14001:2004
EMS 35710

