

MELT - 5.0

DENSITY - 0.935

LLHR-535U complies with FDA regulation 21CFR 177.1520(c) 3.2(a) and most international regulations concerning the use of Polyethylene in contact with food articles.

Features:

- Excellent low temperature impact properties
- Excellent ESCR
- Wide processing window
- Impact retention

Typical Applications:

- Toys
- IBCs
- General purpose custom molding
- Marine parts
- Agriculture storage tanks

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D792	g/cm ³	0.935
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	5.0
ESCR (F50)	D1693	hr	>1000
MECHANICAL (Compression Mold)			
Tensile Strength (Yield, 2.0 in/min)	D638	psi	2500
Tensile Elongation (Yield, 2.0 in/min)	D638	%	12
Flexural Modulus - 1% Secant	D790	psi	98,600
HDT (264 psi)	D648	°F	108
HDT (66psi)	D648	°F	136
ARM Low Temp Impact (0.125)	ARM	ft-lb	49
ARM Low Temp Impact (0.250)	ARM	ft-lb	160