

MELT - 35

DENSITY - 0.926

LLI-3525 is a certified prime grade designed for INJECTION MOLDING applications requiring excellent impact strength and environmental stress crack resistance. **LLI-3525** features excellent low temperature impact strength, good processability and rigidity. **LLI-3525** recommended processing temperature is 180° to 220°C with mold at 20 to 40°C. **LLI-3525** complies with FDA regulation 21CFR 177.1520 (c) 3.1 (a) and most international regulations concerning the use of Polyethylene in contact with food articles.

Features:

- High impact resistance
- Good processability
- High ESCR (Stress Crack Resist.)
- Low temperature impact resistance
- Medium rigidity

Typical Applications:

- General purpose injection molding applications

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.926
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	35
Env. Stress Cracking Resistance (122°F, 0.0689 in, 100% Igepal, compression molded, F50) Notched Bent Strip	D1693	hr	10
MECHANICAL (Compression Mold)			
Tensile Strength (Yield, 2.0 in/min)	D638	psi	1450
Tensile Elongation (Break, 2.0 in/min)	D638	%	70
Flexural Modulus - 1% Secant (0.051 in/min)	D790	psi	55100
Low Temperature Impact (-40 °F)	Internal	ft-lb	139
HDT (66psi, Unannealed)	D648	°F	113
Brittleness Temperature	D746	°F	<(-105)
Vicat Softening Temperature	D1525	°F	198