

## LLC60-440

### Medium Density Polyethylene

**LLC60-440** is a certified prime grade Ethylene-Hexene Copolymer designed for high performance outdoor exposure Rotomolded applications. **LLC60-440** is melt compounded for uniform dispersion of additives and supplied in pellet form of natural color. Recommended processing temperature is 180 to 220°C., with mold at 20 to 40°C.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
<b>PHYSICAL</b>			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	3.5
Density	D1505	g/cm <sup>3</sup>	0.938
Env. Stress Crack Resistance (122 °F, F50)	D1693	hr	1000
<b>MECHANICAL</b>			
Flexural Modulus <sup>1</sup> (1% Secant)	D790	psi	110k
Tensile Strength @ Yield <sup>2</sup>	D638	psi	2800
Tensile Impact Strength	D1822	ft-lb/in <sup>3</sup>	59.0
Tensile Elongation @ Break <sup>2</sup>	D638	%	17
Deflection Temperature Under Load	D648	°C	62.0
Peak Melting Temperature		°F	257

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



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