



Prime LDPE 049 is a Low Density Polyethylene specifically designed for high performance molding applications. This fractional melt index material is suitable for applications requiring high melt strength, good impact resistance, flexibility and outstanding ESCR characteristics.



PRIME LDPE 049

Prime LDPE 049	Very High	High	Avg.
Impact Strength			*
Low Temperature Impact Strength			*
Tensile Strength			*
Flexural Modulus			*
Heat Deflection Temperature			*

Property	Test Method	Value	Unit
Specific Gravity	D-1505	.919	
Melt Flow	D-1238	.25	g/10min
Tensile @ Yield	D-638	1400	psi
Elongation	D-882	100	%
Hardness, Shore D	D-2240	42	
Low Temperature Brittleness	D-746	75	F 50/°C
Specific Heat		0.5	cal/gm/°C
Haze	D-1003	35	%

Compliance with FDA Regulation 21 CFR 177.1520

Applications:

Prime LDPE 049 is ideal for packaging applications such as pharmaceuticals, dried fruits and meats. It is also being used for dunnage applications in the computer industry as well as for drum liners.

Finishing:

Prime LDPE 049 can be die cut, punched, sheared and cut with a hot knife. Bonding is typically achieved by sonic welding.

Processing:

Prime LDPE 049 processes at lower temperatures than HDPE or HMWPE. The forming temperature is 295-320°F and the tool temperature is 100-130°F. The mold shrink is .015 - .020 in/in in the machine direction and .009 - .011 in/in in the transverse direction.

Colors, Textures and Capabilities:

Prime LDPE 049 can be color matched to meet your specific requirements. Primex extrudes Prime LDPE 049 in sheet or roll stock and in gauges of .030 - .200 and up to 64" in width.

Please contact your Piedmont Plastics representative for more information on finishing, fabricating, or the thermoforming process.

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small enough to handle YOUR needs.*

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