

## **LDPE**

LDPE (low density polyethylene) is a soft, flexible, lightweight plastic material. It is often used for orthotics and prosthetics. LDPE has good chemical and impact resistance and is easy to fabricate and form.

Performance characteristics:

- Soft and pliable
- Easy to weld and heat seal
- Good chemical resistance
- Low moisture absorption

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

## **LDPE**

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Tensile Strength	D638	psi	1,400
Flexural Modulus	D790	psi	30,000
zod Impact (notched)	D256	ft-lbs/in	no break
Heat Deflection Temperature @ 264 psi	D648	°F	122
Maximum Continuous Service Tem- perature in air	-	°F	-
Water Absorption (immersion 24 hours)	D570	%	0.10
Coefficient of Linear Thermal Expansion	D696	in/in/°Fx10 <sup>-5</sup>	-
- Дранон			