

Low Density Polyethylene (COMPMA)

COMPMA is the softest and most flexible PE material. This compound is designed for applications requiring the following properties:

- *Good to Excellent Chemical Resistance*
- *FDA 21 CFR/US FDA-DMF*
- *High Elongation*
- *Excellent Impact Strength*
- *Good inherent Lubricity*

Some uses include: Food packaging, Household Goods, Toys, Recreation, and Tubing.

Typical Properties	Nominal Value	ASTM Test Method
Specific Gravity	0.924	D-792
Hardness (Shore D)	45	D-2240
Environmental Stress-Cracking Resistance (Plaque molded and tested per ASTM D4976)	2.0 hr	D-1693
Melt Mass-Flow Rate MFR(190°C/2.16kg)	2.0g/10 min	D-1238
Tensile Strength - Yield, psi	1300	D-638
Tensile Elongation Break (Plaque molded and tested per ASTM D4976)	600%	D-638
Flexural Modulus, 10 ⁵ psi-2% Secant (Plaque molded and tested per ASTM D4976)	3.4	D-790
DTUL @66 psi, °F – unannealed (Plaque molded and tested per ASTM D4976)	101	D-648