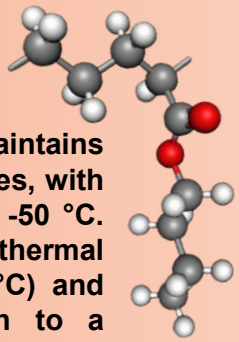
Lucoplast® PA9000

EBA-Based Impact Modifier

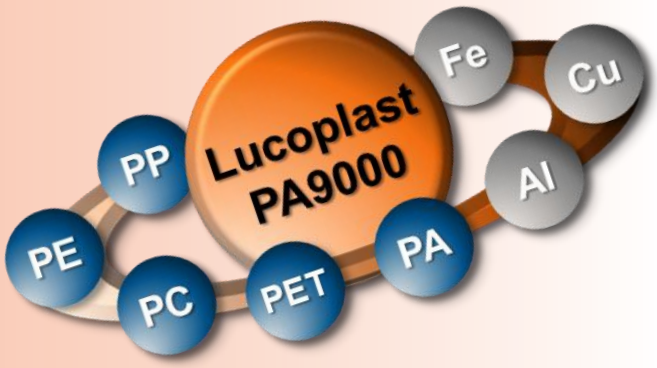
LUCOBIT
THERMOPLASTIC POLYOLEFINS

EBA

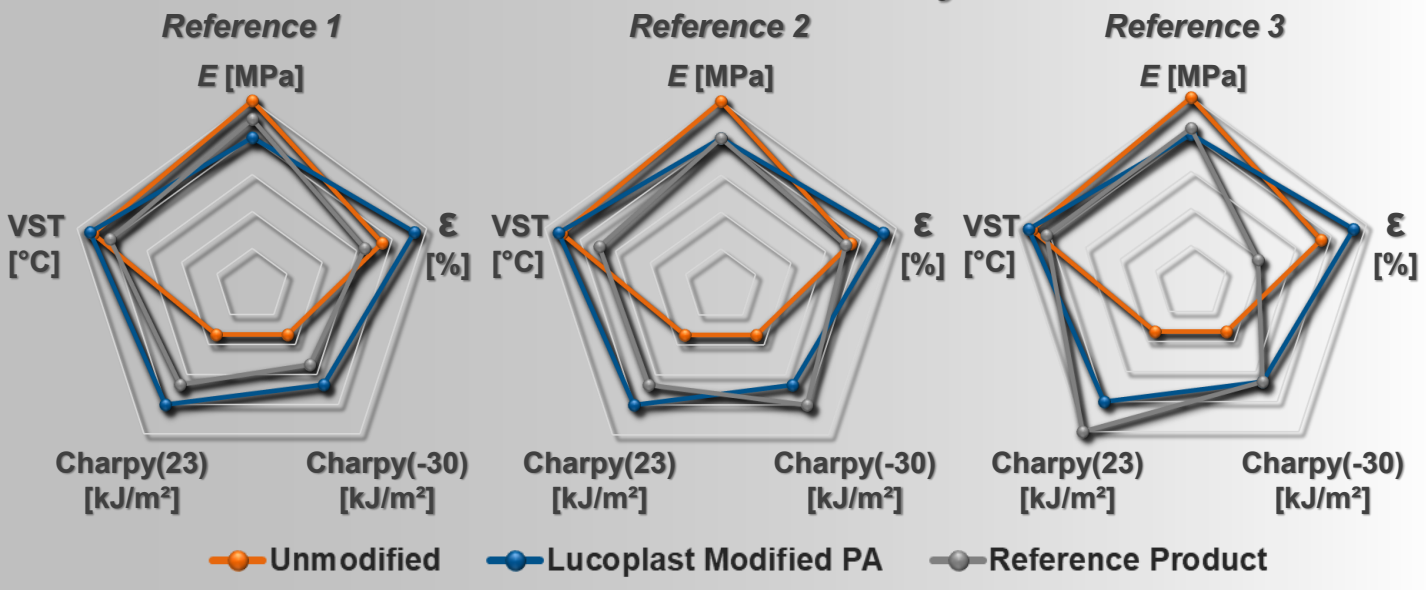
Ethylene Butyl Acyrlate



EBA is a flexible polymer that maintains elasticity even at low temperatures, with a glass transition around below -50 °C. The material shows good thermal stability (up to about 300–330 °C) and also provides strong adhesion to a variety of substrates, including metals, polymers, and paper.



Performance – Modified Polyamides



	E Modulus / *E*	Elongation at Break / ε	Charpy Impact Strength (-30°C)	Charpy Impact Strength (23°C)	Vicat Softening Temperature
Unmodified PA6	*3000 MPa*	*52%*	*5 kJ/m²*	*5 kJ/m²*	*206 °C*
Lucoplast® Impact-Modified PA6	***2400 MPa***	***65%***	***10 kJ/m²***	***12 kJ/m²***	***204 °C***
Reference 1 Impact-Modified PA6	*2700 MPa*	*45%*	*8 kJ/m²*	*10 kJ/m²*	*182 °C*
Reference 2 Impact-Modified PA6	*2400 MPa*	*50%*	*12 kJ/m²*	*10 kJ/m²*	*155 °C*
Reference 3 Impact-Modified PA6	*2500 MPa*	*27%*	*10 kJ/m²*	*15 kJ/m²*	*185 °C*

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