

Vegan Waxes and Esters Lip Balm Comparison Chart

This chart compares the properties of key vegan waxes and structuring esters used in lip balm formulation. It highlights hardness, gloss, cushion, glide, and stability to help formulators understand their performance and how they can be combined for desired results.

Ingredient	Hardness	Gloss	Cushion	Glide	Stability
Candelilla Wax	High – firm structure	Low to Medium	Low – smooth but not plush	Good – smooth	Stable, good for warm climates
Carnauba Wax	Very High – hardest natural wax	High – glossy finish	Low – stiff feel	Lower – stiff drag	Very stable, excellent heat resistance
Rice Bran Wax	Medium – creamy, balanced	Medium – light shine	Medium – cushiony	Good – smooth, creamy	Stable, close to beeswax
Sunflower Wax	High – stabilizing, firm	Medium	Medium – firm yet soft in blends	Good – stabilizes glide	Stable, improves butter blends
Tribehenin	Medium – creamy structurant	Medium – soft sheen	High – plush, cushiony feel	Excellent – creamy glide	Stable, enhances wear time
Polyhydroxystearic Acid	Low – liquid, softening	Low – more creamy than glossy	Medium – soft, creamy	Excellent – reduces drag	Stable in blends, helps dispersion
Behenyl Behenate	Medium – refined cushion	Low – elegant, matte	Medium – refined cushion	Very Good – silky smooth	Very stable, reduces greasiness