

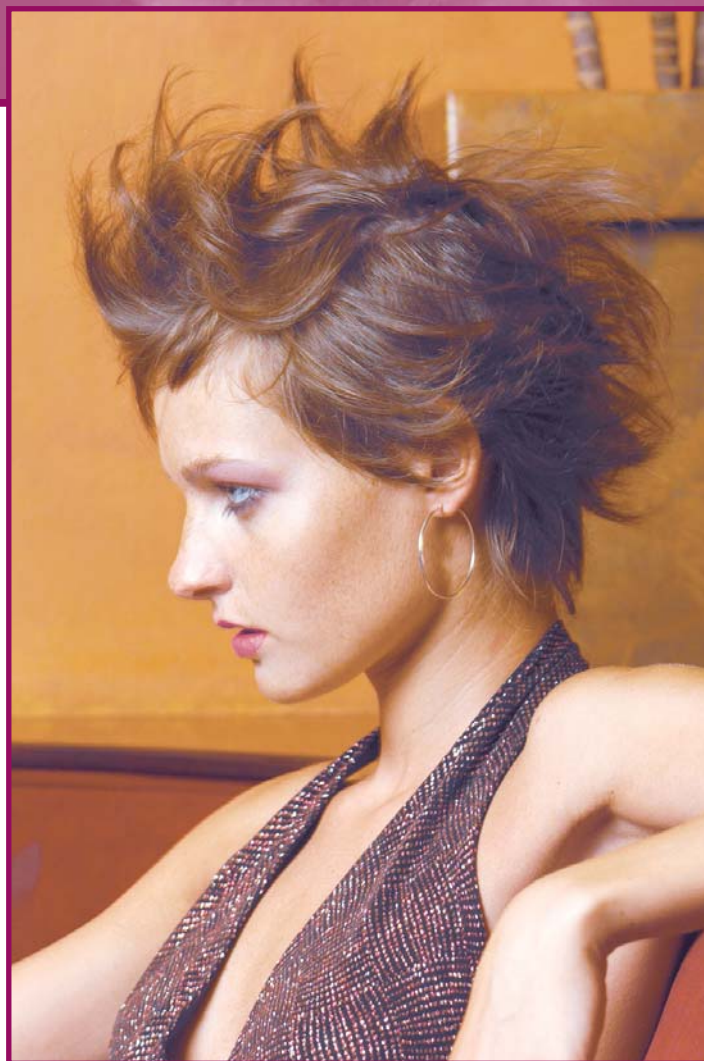
# Syntran® Bimodal Polymer Technology

## Improving Hair Styling Products

Interpolymer's unique bimodal technology is designed to impart quick-setting hold, humidity resistance and effective curl retention to hair styling products. Bimodal polymers can also be used in skin care products where they offer rub and wear resistance, flexibility, and removability. This innovative technology uses a bimodal interpenetrating network to deliver both cationic and anionic functions. Bimodal polymers use an engineered hydrophobic and hydrophilic balance to provide a pleasant, natural feel without stiffness, flaking, or buildup. Ease of removability is an added benefit.

## Benefits of Bimodal Polymers

- Quick Set
- Humidity Curl Retention
- Easily Removable, Minimum Buildup
- Excellent Film Flexibility
- Improved Gloss
- Good Feel
- Clear, Non-flaking Films
- Functional Ultra-Low VOC Aerosols

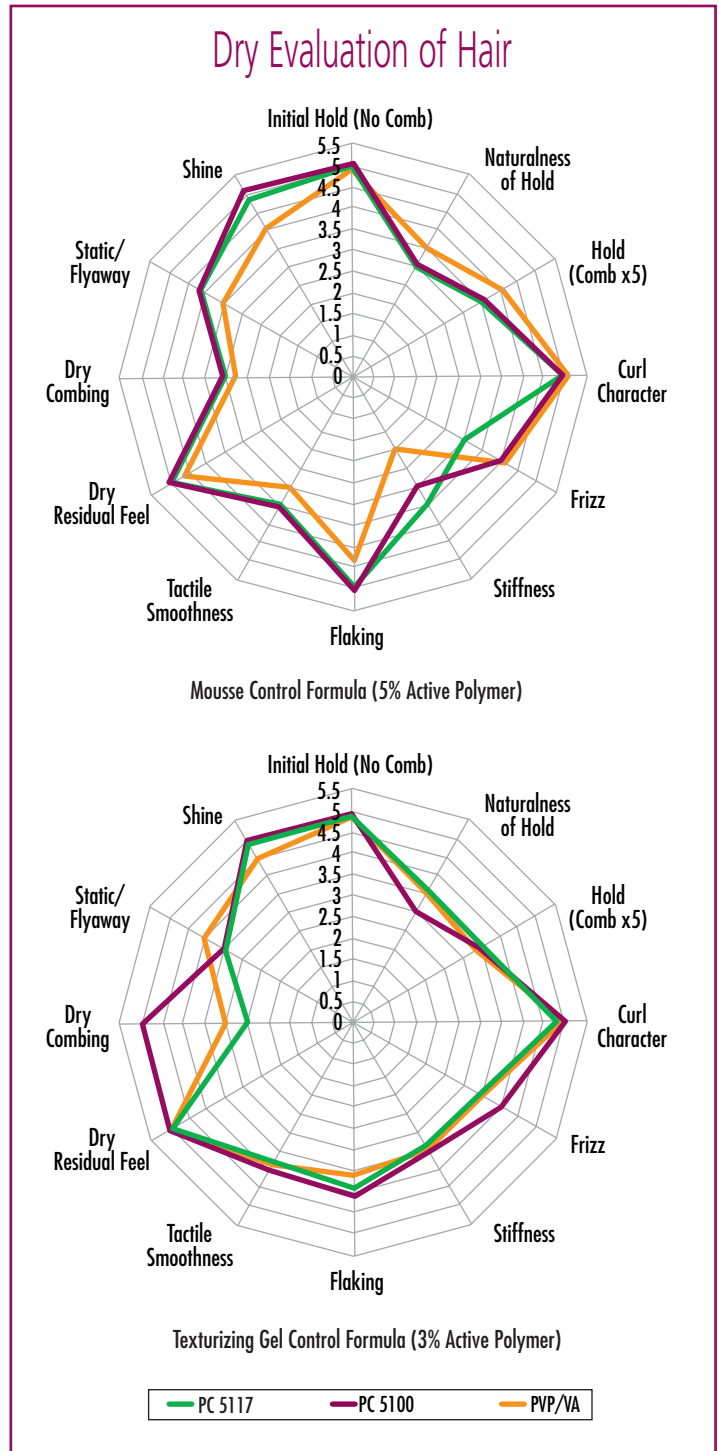
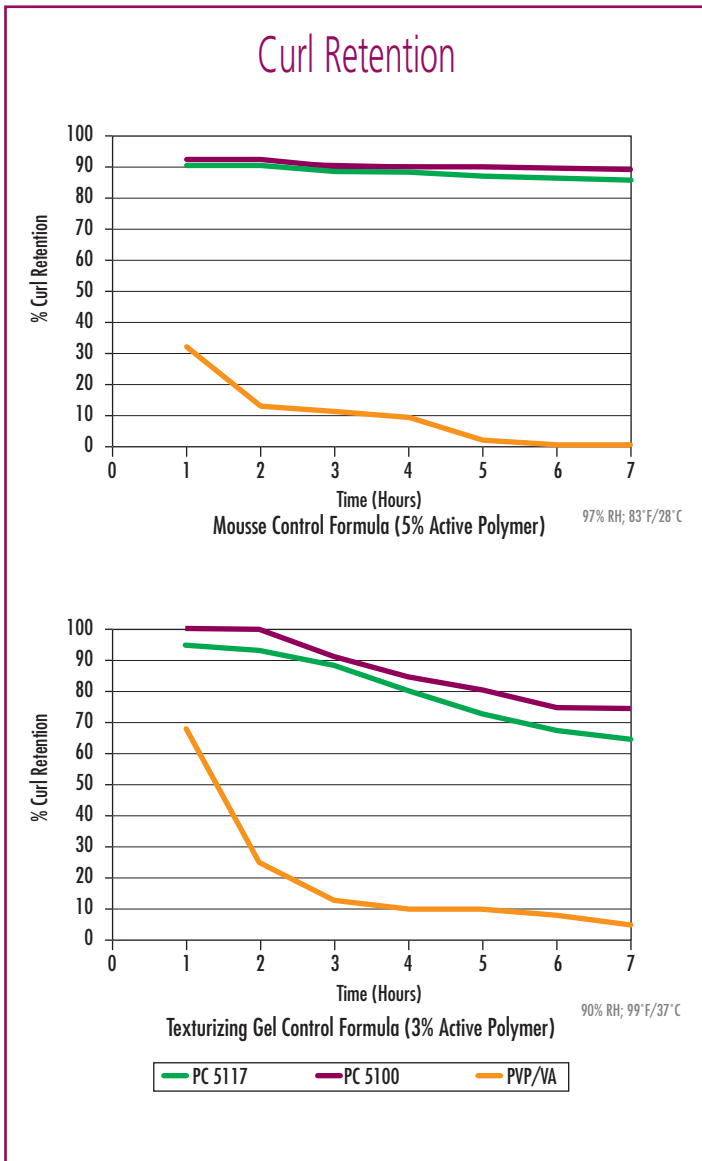


## Typical Physical Properties

	<b>Syntran® PC 5100</b>	<b>Syntran® PC 5117</b>
INCI Name	Polyacrylate - 21 (and) Acrylates/Dimethylaminoethyl Methacrylate Copolymer	Polyacrylate - 18 (and) Polyacrylate - 19
Appearance	Translucent Solution	Translucent Solution
% Solids	25	35
pH at 22°C	8.0	7.5
Viscosity at 25°C, mPa.s	120	4500
Comments	Soft - Medium Hold Styling Aids & Skin Care	Medium - Hard Hold Styling Aids & Skin Care

## Performance Properties – Bimodal Polymers

Formulas containing Syntran Bimodal Polymers perform noticeably better than those formulated using conventional fixatives... especially after two hours.



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