



Kraton D1192 and D0243

High Quality Emulsions Made Easy Using Kraton Polymers

Kraton D1192 and Kraton D0243 are the most technologically-advanced and user-friendly polymer options for use in the manufacture of pre-modified asphalt emulsions.

Enhanced Polymer Comparability

- » Improved compatibility in a wide range of base asphalts
- » Low shear blending option
- » Streamline formulations through a single polymer

Lower Modified Asphalt Viscosity

- » Leads to smaller particle size and narrower distribution
- » Allows for emulsification on ambient pressure equipment
- » Potential for improved performance through higher polymer loading

Superior Liquid Emulsion Properties

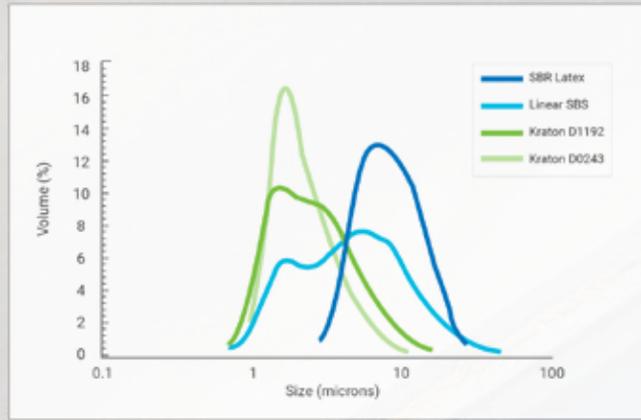
- » Excellent initial and long-term emulsion viscosity and storage stability
- » Improved resistance to shear and pumping processes
- » Optimal balance of break and set properties
- » Can tune emulsion viscosity easily as a function of residue content

Improved Emulsion Paving Solutions

- » Better chip retention
- » Extended pavement system durability

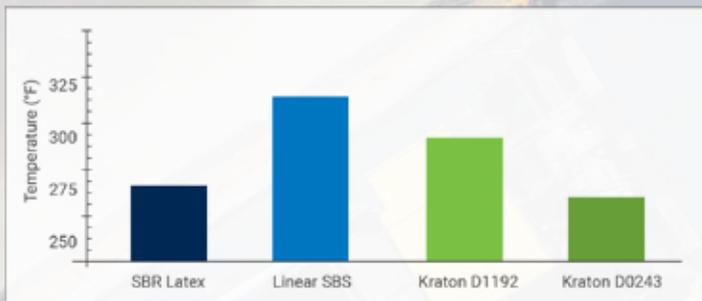


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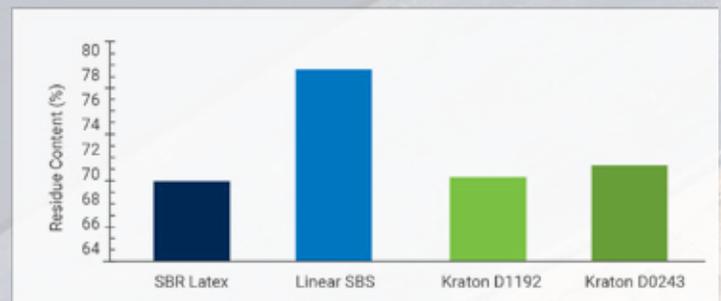


The high vinyl butadiene microstructure in Kraton D1192 and Kraton D0243 allows for production of pre-modified emulsion with small average particle size and narrow distribution.

Asphalt Emulsification Temperature (oF)



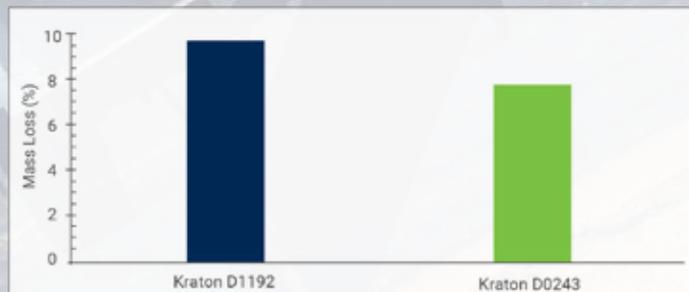
Distilled Residue (%) at Target Saybolt Vis. (122oF, sec.)



Kraton D1192 and Kraton D0243 pre-modified binders can be emulsified at low temperature.

Kraton D1192 and Kraton D0243-modified CRS-2P emulsions can be produced at low residue content.

ASTM D7000 Sweep Test Mass Loss (%) -35oC Cure for 2 Hours



Kraton D1192 and Kraton D0243-modified CRS-2P emulsions exhibit excellent early strength development. Penetration of each distilled residue was 116 dmm and 106 dmm, respectively.



Figure 2 - Kraton D1192-Modified CRS-2P Emulsion Sweep Test Pad - Post-Sweep

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