

High Quality Emulsions Made Easy using Kraton Polymers

Kraton D1192 and Kraton D0243

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 Compatibility

- 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

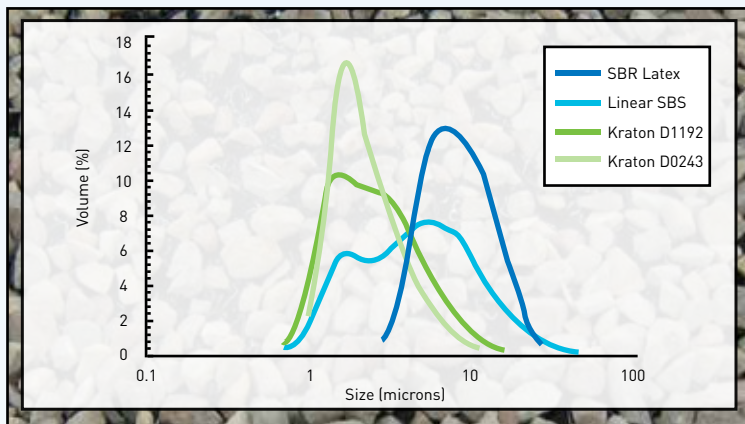
Improved Emulsion Paving Solutions

- Better chip retention
- Extended pavement system durability

Call Kraton today for more information and choose Kraton D1192 and Kraton D0243 for your next high-quality, pre-modified emulsion design.

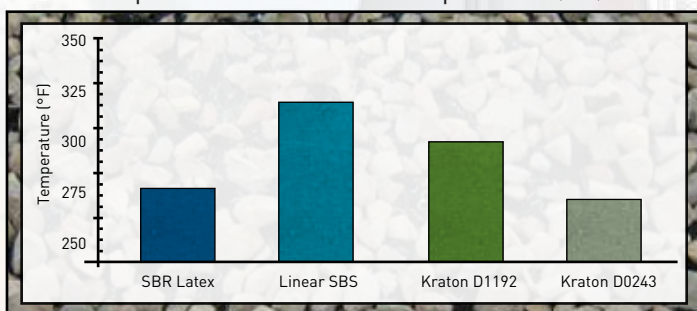


Particle Size Distribution of SBR Latex, Linear SBS, Kraton D1192 and Kraton D0243-Modified CRS-2P Emulsions



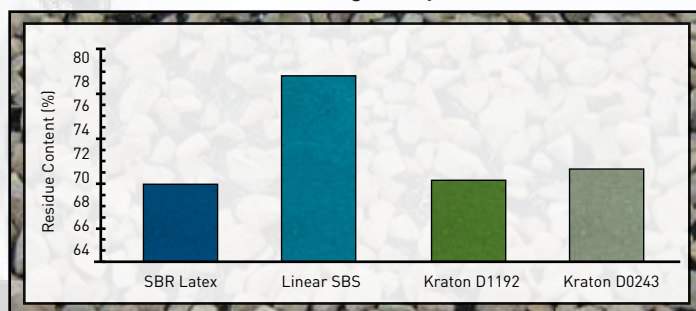
The high vinyl butadiene microstructure in Kraton D1192 and Kraton D0243 allows for production of pre-modified emulsion with small average particle size and narrow distribution.

Asphalt Emulsification Temperature (oF)



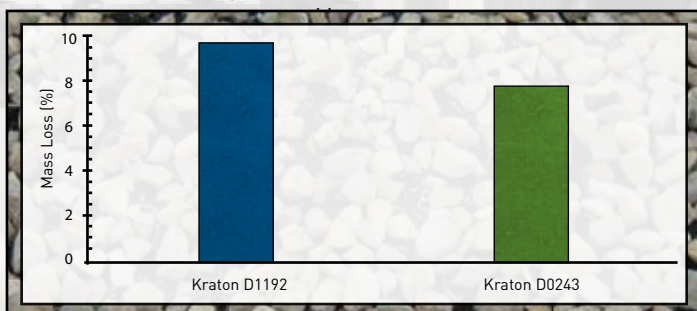
Kraton D1192 and Kraton D0243 pre-modified binders can be emulsified at low temperature.

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



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



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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