Mechanical Properties

% Elongation at Break

100% Modulus
### LUBRIZOL POLYURETHANE DISPERSIONS

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Trade Name</th>
<th>Type</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMP-Free</td>
<td>Sancure™</td>
<td>Polyurethane dispersion</td>
<td>Excellent wear resistance, good chemical resistance</td>
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<td></td>
<td>Ultra low VOC, excellent wear resistance, good chemical resistance</td>
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<td></td>
<td>Amide based, self-crosslinking PUD, low VOC capable, high chemical</td>
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<td>Amide based, self-crosslinking PUD, balanced properties on a high level</td>
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<td>Amide based, self-crosslinking, self-matting PUD, low gloss clear and</td>
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<td></td>
<td>Elastic, durable, crosslinkable, low VOC, cosolvent free, adhesion to nylon</td>
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<td>Hard, high gloss, abrasion resistant OPV, rewettable ink formulations</td>
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<td></td>
<td>Cationic dispersion, can be crosslinked, chemical and abrasion resistance</td>
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<td></td>
<td>Textile, paper, leather and nonwoven</td>
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<td></td>
<td>Hard, self-crosslinking polymer, excellent chemical resistance, alcohol/</td>
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<td></td>
<td>Cosolvent free, abrasion/chemical resistance, readily crosslinkable, light</td>
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<td>Abrasion resistant, flexible, readily crosslinkable, adhesion to a</td>
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<td>Forms very hard, but flexible coatings with good stain- and chemical</td>
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<td>Water/alcohol/alkali/abrasion resistance, high gloss, light stable,</td>
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<td></td>
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<td>High performance, thicker film build clear wood finishes</td>
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<td>High performance, good chemical resistance, high gloss, low VOC</td>
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<td>Carbons</td>
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</tbody>
</table>

### Ultra low VOC, excellent wear resistance, good chemical resistance
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- Amide based, self-crosslinking PUD, low VOC capable, high chemical |
- Amide based, self-crosslinking, self-matting PUD, low gloss clear and |
- Elastic, durable, crosslinkable, low VOC, cosolvent free, adhesion to nylon |
- Hard, high gloss, abrasion resistant OPV, rewettable ink formulations |
- Cationic dispersion, can be crosslinked, chemical and abrasion resistance |
- Textile, paper, leather and nonwoven |
- Hard, self-crosslinking polymer, excellent chemical resistance, alcohol/ |
- Cosolvent free, abrasion/chemical resistance, readily crosslinkable, light |
- Abrasion resistant, flexible, readily crosslinkable, adhesion to a |
- Excellent wear resistance, good chemical resistance |
- Wood floor finishes, medium VOC level |
- Forms very hard, but flexible coatings with good stain- and chemical |
- Water/alcohol/alkali/abrasion resistance, high gloss, light stable, |
- High performance, thicker film build clear wood finishes |
- High performance, good chemical resistance, high gloss, low VOC |
- Carbons | Excellent wear resistance, good chemical resistance |

### Amide based, self-crosslinking PUD, low VOC capable, high chemical
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- Elastic, durable, crosslinkable, low VOC, cosolvent free, adhesion to nylon |
- Hard, high gloss, abrasion resistant OPV, rewettable ink formulations |
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- Hard, self-crosslinking polymer, excellent chemical resistance, alcohol/ |
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### Elastic, durable, crosslinkable, low VOC, cosolvent free, adhesion to nylon
- Hard, high gloss, abrasion resistant OPV, rewettable ink formulations |
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- Textile, paper, leather and nonwoven |
- Hard, self-crosslinking polymer, excellent chemical resistance, alcohol/ |
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### Quality assurance
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WHAT WE ADD MAKES THE DIFFERENCE.

Lubrizol is a market-driven innovator of specialty chemicals that solve today's challenges in the paints and coatings, printing and packaging, paper and textiles, plastics and composites and digital print markets. More than just a supplier, we are a collaborator with extensive experience in surface protection, dispersion, adhesion and barrier properties that enables us to enhance the performance, simplicity and sustainability benefits of our customers' products. With a commitment to collaboration, applied science, and demonstrated value, our team of experts is dedicated to exceeding customer expectations for both the simplest and toughest requirements. Count on Lubrizol to make the difference.

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