



Bond Polymers International LLC  
 Phone : 603 - 474 - 3811  
 Fax No: 603 - 474 - 3327  
 service@bondpolymers.com  
 www.bondpolymers.com

## Polyurethane Dispersion Chart

The following table provides technical information for several of our polyurethane polymers. We have many more resins which are not included here, and we are developing new products all the time. If you do not find a product below that meets your needs please contact us for a personal recommendation.

Product	Description	Type	% Co-Solvent	Solids	pH	Weight (per)	Sward Hardness	Tensile Strength	100% Modulus	% Elongation	Viscosity
<b>UD-104</b>	Relatively soft solvent free polyurethane with excellent blend of properties. Heat sealable in adhesive applications	Aliphatic / Polyester Polyurethane Dispersion	0%	38%	9.0-10.0	8.7 lbs.	12	6500 psi	1200 psi	400%	400 cps
<b>UD-108</b>	Very soft solvent free polyurethane with excellent hydrolytic stability. Used for adhesive and textile applications	Aliphatic / Polyether Polyurethane Dispersion	0%	33%	9.0-10.0	8.6 lbs.	4	4000 psi	250 psi	525%	500 cps
<b>UD-125</b>	Very soft and tacky polyurethane for use in adhesive applications	Aliphatic / Polyester Polyurethane Dispersion	8%	33%	8.0-10.0	8.8 lbs.	2	N/A	<100 psi	1000%	<500 cps
<b>UD-202</b>	Good blend of properties for leather and PVC topcoat applications	Aliphatic / Polyester Polyurethane Dispersion	8.80%	35%	7.5-9.5	8.8 lbs.	18	4800 psi	2500 psi	325%	<100 cps
<b>UD-203</b>	High Quality Polyester polyurethane with medium hardness and good blend of properties	Aliphatic / Polyester Polyurethane Dispersion	10%	40%	7.5-9.5	8.8 lbs.	22	5100 psi	2800 psi	300%	300 cps
<b>UD-211</b>	Excellent abrasion resistance. Used in leather or PVC topcoats and ink binders	Aliphatic / Polyester Polyurethane Dispersion	8%	35%	8.0-10.0	8.8 lbs.	18	5000 psi	2000 psi	400%	<100 cps

<b>UD-220</b>	Primarily used for high quality wood coating but has superior properties on many rigid substrates	Aliphatic / Polyester Polyurethane Dispersion	13.3%	35%	7.5-9.5	8.8 lbs.	38	6500 psi	5000 psi	200%	500 cps
<b>UD-250</b>	Excellent alkali and detergent resistance. Hard polymer used for wood, plastic, or rigid substrates	Aliphatic / Polyester Polyurethane Dispersion	8.5%	35%	7.5-9.5	8.8 lbs.	30	5500 psi	4000 psi	200%	500 cps
<b>UD-260</b>	Excellent abrasion resistance. Used in leather or PVC topcoats	Aliphatic / Polyester Polyurethane Dispersion	8%	35%	8.0-10.0	8.8 lbs.	22	4800 psi	2900 psi	350%	1000 cps
<b>UD-262</b>	Same polymer as UD-260 but contains an alternate solvent for NMP sensitive applications	Aliphatic / Polyester Polyurethane Dispersion	8%	35%	8.0-10.0	8.8 lbs.	22	4700 psi	2800 psi	350%	>1000 cps
<b>UD-270</b>	Medium soft polyurethane for a variety of flexible substrate coatings	Aliphatic / Polyester Polyurethane Dispersion	7%	40%	7.5-9.5	8.8 lbs.	10	4500 psi	1000 psi	500%	450 cps
<b>UD-301</b>	Soft, non-tacky, excellent adhesion to a variety of substrates For both coating and adhesive applications	Aliphatic / Polyester Polyurethane Dispersion	13.4%	40%	8.0-10.0	8.8 lbs.	6	5000 psi	300 psi	600%	150 cps
<b>UD-302</b>	Soft solvent free polyurethane,economical for a variety of textile or flexible substrate applications	Aliphatic / Polyether Polyurethane Dispersion	0%	40%	7.5-9.5	8.5 lbs.	4	2500 psi	600 psi	500%	1000 cps
<b>UD-306</b>	Same polymer as UD-301 but contains an alternate solvent for NMP sensitive applications	Aliphatic / Polyester Polyurethane Dispersion	13.4%	40%	7.5-9.5	8.8 lbs.	6	5000 psi	300 psi	600%	1000 cps
<b>UD-350</b>	"Soft Feel" polymer used to make coatings with a unique surface feel.	Aliphatic / Polyester Polyurethane Dispersion	10.9%	40%	8.0-10.0	8.9 lbs.	2	N/A	N/A	>1000%	400 cps
<b>UD-352</b>	Same polymer as UD-350 but contains an alternate solvent for NMP sensitive applications	Aliphatic / Polyester Polyurethane Dispersion	10.9%	40%	8.0-10.0	8.9 lbs.	2	N/A	N/A	>1000%	1000 cps
<b>UD-500</b>	Polyurethane Fluoropolymer hybrid designed to be diluted with water and sprayed on textile as a water repellent	Hybrid / Polyurethane Dispersion	6.2%	30%	6.0-8.0	9.0 lbs.	N/A	N/A	N/A	N/A	400 cps

**Information represents typical physical properties for comparative purposes and is not intended as a product specification.**