

**AWTA Product Testing - EMPA 224 test for Tensile Strength Damage, Chemical Damage and Mechanical Damage**  
**TEST NO: 7-556761-NN**

	<b>Aust Standard AS4146-2000 Maximum Loss Allowed</b>	<b>Ozone Wash</b>	<b>Hot Wash</b>		
<b>Tensile Strength Properties (Overall decrease in breaking force)</b>	<b>25%</b>	<b>8.2%</b>	<b>Pass</b>	<b>37%</b>	<b>Fail</b>
<b>Percentage of Chemical Wear</b>	<b>13%</b>	<b>1%</b>	<b>Pass</b>	<b>17.50%</b>	<b>Fail</b>
<b>Percentage of Mechanical Damage</b>		<b>7.20%</b>		<b>29.50%</b>	

**Hot water wash with chemicals at 65°C**  
 12% more tensile strength damage than AS4146-200 requirements  
 4.5% more chemical damage than AS4146-200 requirements  
 22.3% more mechanical damage than with OTEK wash

**Cold water wash with chemicals and OTEK ozone system**  
 16.8% less tensile strength damage than AS4146-2000 requirements  
 12% less chemical damage than AS4146-2000 requirements  
 22.3% less mechanical damage than with hot wash

**In practical terms this means that a 100 bed nursing home spending an average of 30c per bed per day (\$10,950 per annum) on linen replacement may be able to reduce their linen replacement costs to around 10c per bed per day or \$3,650 per annum, a saving of \$7,300 every year.**