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**SUBJECT: COMPARISON OF GRADE 2-35H and CINDUS THERMOFLEX  
HIGH VOLTAGE SECONDARY LEAD WIRE INSULATION**

	<u>GRADE 2-35H</u>	<u>CINDUS THERMOFLEX</u>
<b>Apparent Density: ASTM D374/646 (Gms/cc)</b>	<b>0.25</b>	<b>.44</b>
<b>Basis Weight: ASTM D646 (Lbs./M sqft)</b>	<b>25.0</b>	<b>50.0</b>
<b>Tensile Strength: ASTM D828 MD (lbs./in.) CMD</b>	<b>37 20</b>	<b>45 15</b>
<b>Stretch under Tension ASTM D828-MD (%) CMD</b>	<b>65 12</b>	<b>30 25</b>
<b>Thickness: ASTM D374 (Inches)</b>	<b>.019</b>	<b>.020</b>
<b>Moisture Content: ASTM D202 (%)</b>	<b>6.0</b>	<b>6.0</b>
<b>Nitrogen Content: ASTM D202 (%)</b>	<b>1.9</b>	<b>2.4</b>
<b>Dielectric Strength: ASTM D149 (KV/mil)(Oil)</b>	<b>0.65</b>	<b>1.06</b>
<b>Ash Content: ASTM D202 (mS)</b>	<b>&lt;1</b>	<b>&lt;1</b>
<b>Tensile Retention after Aging (IEEE 57,100 Annex A) 165degrees C 29 days</b>	<b>50%-60%</b>	<b>88%</b>
<b>Partial Discharge (KV)</b>	<b>2.4</b>	<b>8.0</b>