MEASUREMENT PROTOCOL

No. PM_CT3_OPT_2015_03_03_23

Order number  ZAK_Aremco_2014_01-3
Customer  Aremco Products Inc.
Sample ID  customer 840-MS
            NTC 840_MS_01
Measured quantity  spectral normal emissivity
Measurement method  SNEHT
Temperature (T)  500°C
Polar angle (θ)  0°
Date  23.2.2015
Measured by  Ing. Petra Honnerová, Ph.D.
Responsible person  Ing. Jiri Martan, Ph.D.  tel.: +420 377 634 718
                    e-mail: jmartan@ntc.zcu.cz

<table>
<thead>
<tr>
<th>λ (μm)</th>
<th>2</th>
<th>3.5</th>
<th>4.7</th>
<th>8.3</th>
<th>10</th>
<th>12.5</th>
<th>17.5</th>
<th>20</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>ε(λ,θ,T) (-)</td>
<td>0.887</td>
<td>0.929</td>
<td>0.934</td>
<td>0.971</td>
<td>0.858</td>
<td>0.954</td>
<td>0.929</td>
<td>0.865</td>
<td>0.883</td>
</tr>
<tr>
<td>Δε (-), k = 2</td>
<td>0.024</td>
<td>0.022</td>
<td>0.022</td>
<td>0.023</td>
<td>0.021</td>
<td>0.022</td>
<td>0.027</td>
<td>0.035</td>
<td>0.040</td>
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