























| Dust pro                              | pernes    | _ |  |
|---------------------------------------|-----------|---|--|
| Coal                                  | Coal dust |   |  |
| Property                              | Value     |   |  |
| Median particle size<br>diameter (mm) | 55-90     |   |  |
| Moisture content<br>(% w/w)           | 2.1-2.3   |   |  |
| Maximum explosion<br>pressure (bar)   | 7.0-7.8   |   |  |
| K <sub>st</sub> -value (bar.m/s) *    | 118-145   |   |  |

| LG One Day Discussion Meeting "Causes, Severity and |                         | and Particulate Expl                                  | osions", 22 Septemb                                       | ver 2010   |
|---|-------------------------|---|---|--|
| Wood dust sample Wood dust                          | Wood<br>dust            | Wood<br>dust<br>from<br>second<br>source<br>(class I) | Wood<br>dust<br>from<br>second<br>source<br>(class<br>II) | Wood<br>dust<br>from<br>second<br>source<br>(class<br>III) |
| Property  | from<br>first<br>source |   |   |  |
| Median particle size<br>diameter (mm)               | 110                     | 60-90   | 95-105  | 160-250  |
| Moisture content (% w/w)                            | 5.4                     | 5.6-6.0   | 5.5-5.8   | 6.3-6.7  |
| Maximum explosion<br>pressure (bar)                 | 7.3                     | 7.6-7-7   | 7.3-7.6   | 6.5-7.2  |
| K <sub>o</sub> -value *(bar.m/s)                    | 77                      | 112-122   | 88-92   | 31-55  |

















![](_page_11_Picture_0.jpeg)

![](_page_11_Picture_1.jpeg)

![](_page_12_Figure_0.jpeg)

![](_page_12_Figure_1.jpeg)

![](_page_13_Picture_0.jpeg)

![](_page_13_Picture_1.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_1.jpeg)

![](_page_16_Figure_0.jpeg)

![](_page_16_Figure_1.jpeg)

![](_page_17_Figure_0.jpeg)

![](_page_17_Figure_1.jpeg)

![](_page_18_Picture_0.jpeg)

![](_page_18_Figure_1.jpeg)

![](_page_19_Picture_0.jpeg)