

# Linerboard International Grade 4

|                                                                   | 115    | 125    | 135    | 150    | 161    | 170    | 186    |
|-------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Grade Code                                                        | KL115G | KL125G | KL135G | KL150G | KL161G | KL170G | KL186G |
| Conditioned Basis Wt.<br>(7.5%H <sub>2</sub> O), g/m <sup>2</sup> |        |        |        |        |        |        |        |
| Tappi T 410                                                       |        |        |        |        |        |        |        |
| Reject Above                                                      | 122    | 132    | 142    | 157    | 169    | 175    | 194    |
| Reject Below                                                      | 108    | 118    | 128    | 143    | 152    | 165    | 178    |
| Moisture Content, %                                               |        |        |        |        |        |        |        |
| Tappi T 412                                                       |        |        |        |        |        |        |        |
| Average (%)                                                       | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    |
| Range (+/-)                                                       | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| Mullen, psi                                                       |        |        |        |        |        |        |        |
| Tappi T 807                                                       |        |        |        |        |        |        |        |
| Reject Below                                                      | 64     | 69     | 73     | 82     | 87     | 92     | 101    |
| SCT-CD (STFI) lb <sub>f</sub> /in                                 |        |        |        |        |        |        |        |
| Tappi T 826                                                       |        |        |        |        |        |        |        |
| Reject Below                                                      | 10.5   | 11.0   | 11.4   | 13.0   | 14.0   | 15.0   | 16.8   |
| Porosity (Gurley), sec/100cc                                      |        |        |        |        |        |        |        |
| Tappi T 460                                                       |        |        |        |        |        |        |        |
| Reject Below                                                      | 15     | 20     | 20     | 20     | 20     | 20     | 20     |
| Internal Bond, ft-lb/in <sup>2</sup>                              |        |        |        |        |        |        |        |
| Tappi T 569                                                       |        |        |        |        |        |        |        |
| Scott Bond - Reject Below                                         | 75     | 75     | 75     | 75     | 75     | 75     | 75     |
| Slide Angle (Degrees)                                             |        |        |        |        |        |        |        |
| Tappi T 815                                                       |        |        |        |        |        |        |        |
| Reject Below                                                      | 18     | 18     | 18     | 18     | 18     | 18     | 18     |
| Cobb 2 Minute (TOP), g/m <sup>2</sup>                             |        |        |        |        |        |        |        |
| Tappi T 441                                                       |        |        |        |        |        |        |        |
| Reject Above                                                      | 75     | 75     | 75     | 75     | 75     | 75     | 75     |
| Reject Below                                                      | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| Cobb 30 Minute (TOP), g/m <sup>2</sup>                            |        |        |        |        |        |        |        |
| Tappi T 441                                                       |        |        |        |        |        |        |        |
| Reject Above                                                      | 155    | 155    | 155    | 155    | 155    | 155    | 155    |



## Linerboard International Grade 4

|                                                                           | 115    | 125    | 135    | 150    | 161    | 170    | 200    |
|---------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Grade Code                                                                | KL115G | KL125G | KL135G | KL150G | KL161G | KL170G | KL200G |
| <b>Conditioned Basis Wt.<br/>(7.5%<math>H_2O</math>), g/m<sup>2</sup></b> |        |        |        |        |        |        |        |
| <i>Tappi T 410</i>                                                        |        |        |        |        |        |        |        |
| Reject Above                                                              | 122    | 132    | 142    | 157    | 169    | 175    | 208    |
| Reject Below                                                              | 108    | 118    | 128    | 143    | 152    | 165    | 192    |
| <b>Moisture Content, %</b>                                                |        |        |        |        |        |        |        |
| <i>Tappi T 412</i>                                                        |        |        |        |        |        |        |        |
| Average (%)                                                               | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    |
| Range (+/-)                                                               | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| <b>Mullen, psi</b>                                                        |        |        |        |        |        |        |        |
| <i>Tappi T 807</i>                                                        |        |        |        |        |        |        |        |
| Reject Below                                                              | 64     | 69     | 73     | 82     | 87     | 92     | 106    |
| <b>SCT-CD (STFI) lb<sub>f</sub>/in</b>                                    |        |        |        |        |        |        |        |
| <i>Tappi T 826</i>                                                        |        |        |        |        |        |        |        |
| Reject Below                                                              | 10.5   | 11.0   | 11.4   | 13.0   | 14.0   | 15.0   | 17.5   |
| <b>Porosity (Gurley), sec/100cc</b>                                       |        |        |        |        |        |        |        |
| <i>Tappi T 460</i>                                                        |        |        |        |        |        |        |        |
| Reject Below                                                              | 15     | 20     | 20     | 20     | 20     | 20     | 20     |
| <b>Internal Bond, ft-lb/in<sup>2</sup></b>                                |        |        |        |        |        |        |        |
| <i>Tappi T 569</i>                                                        |        |        |        |        |        |        |        |
| Scott Bond - Reject Below                                                 | 75     | 75     | 75     | 75     | 75     | 75     | 75     |
| <b>Slide Angle (Degrees)</b>                                              |        |        |        |        |        |        |        |
| <i>Tappi T 815</i>                                                        |        |        |        |        |        |        |        |
| Reject Below                                                              | 18     | 18     | 18     | 18     | 18     | 18     | 18     |
| <b>Cobb 2 Minute (TOP), g/m<sup>2</sup></b>                               |        |        |        |        |        |        |        |
| <i>Tappi T 441</i>                                                        |        |        |        |        |        |        |        |
| Reject Above                                                              | 75     | 75     | 75     | 75     | 75     | 75     | 75     |
| Reject Below                                                              | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| <b>Cobb 30 Minute (TOP), g/m<sup>2</sup></b>                              |        |        |        |        |        |        |        |
| <i>Tappi T 441</i>                                                        |        |        |        |        |        |        |        |
| Reject Above                                                              | 155    | 155    | 155    | 155    | 155    | 155    | 155    |



## Linerboard International Grade 4

|                                                                           | 225    | 250    | 300    | 400    | 440    |
|---------------------------------------------------------------------------|--------|--------|--------|--------|--------|
| Grade Code                                                                | KL225G | KL250G | KL300G | KL400G | KL440G |
| <b>Conditioned Basis Wt.<br/>(7.5%<math>H_2O</math>), g/m<sup>2</sup></b> |        |        |        |        |        |
| <i>Tappi T 410</i>                                                        |        |        |        |        |        |
| Reject Above                                                              | 234    | 259    | 309    | 415    | 455    |
| Reject Below                                                              | 216    | 241    | 291    | 385    | 425    |
| <b>Moisture Content, %</b>                                                |        |        |        |        |        |
| <i>Tappi T 412</i>                                                        |        |        |        |        |        |
| Average (%)                                                               | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    |
| Range (+/-)                                                               | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| <b>Mullen, psi</b>                                                        |        |        |        |        |        |
| <i>Tappi T 807</i>                                                        |        |        |        |        |        |
| Reject Below                                                              | 114    | 120    | 130    | 157    | 165    |
| <b>SCT-CD (STFI) lb<sub>f</sub>/in</b>                                    |        |        |        |        |        |
| <i>Tappi T 826</i>                                                        |        |        |        |        |        |
| Reject Below                                                              | 19.5   | 21.5   | 25.5   | 33.0   | 36.5   |
| <b>Porosity (Gurley), sec/100cc</b>                                       |        |        |        |        |        |
| <i>Tappi T 460</i>                                                        |        |        |        |        |        |
| Reject Below                                                              | 20     | 20     | 20     | 12     | 12     |
| <b>Internal Bond, ft-lb/in<sup>2</sup></b>                                |        |        |        |        |        |
| <i>Tappi T 569</i>                                                        |        |        |        |        |        |
| Scott Bond - Reject Below                                                 | 75     | 75     | 75     | 75     | 75     |
| <b>Slide Angle (Degrees)</b>                                              |        |        |        |        |        |
| <i>Tappi T 815</i>                                                        |        |        |        |        |        |
| Reject Below                                                              | 18     | 18     | 18     | 18     | 18     |
| <b>Cobb 2 Minute (TOP), g/m<sup>2</sup></b>                               |        |        |        |        |        |
| <i>Tappi T 441</i>                                                        |        |        |        |        |        |
| Reject Above                                                              | 75     | 75     | 75     | 75     | 75     |
| Reject Below                                                              | 30     | 30     | 30     | 30     | 30     |
| <b>Cobb 30 Minute (TOP), g/m<sup>2</sup></b>                              |        |        |        |        |        |
| <i>Tappi T 441</i>                                                        |        |        |        |        |        |
| Reject Above                                                              | 155    | 155    | 155    | 155    | 155    |