

Newman™ High Grade Lump – YEJ 2011

Newman Joint Venture, Pilbara Region, Western Australia

Typical Chemical Analysis

(Dry Wt % at Loading)

| Component (%) | |
|--------------------------------|----------|
| Fe (Calcined) | 66.0 |
| Fe (Natural) | 64.0 |
| SiO ₂ | 3.6 |
| Al ₂ O ₃ | 1.4 |
| P | 0.070 |
| LOI | 3.0 |
| H ₂ O | 3.3 |
| TiO ₂ | 0.05 |
| CaO | 0.05 |
| MgO | 0.08 |
| Mn | 0.09 |
| S | 0.02 |
| K | 0.006 |
| Na | 0.007 |
| Zn | 0.005 |
| Co | 0.0006 |
| Cu | <0.001 |
| Sn | <0.001 |
| As | <0.0015 |
| Ni | 0.001 |
| Cr | 0.003 |
| Cd | <0.0002 |
| Be | 0.0001 |
| Pb | 0.0006 |
| Hg | <0.00002 |
| V | 0.002 |
| Cl | 0.008 |

Typical Physical Properties

(At Loading)

| Size (mm) | Cum.wt (% passing) |
|-----------|--------------------|
| 31.5 | 88 |
| 25 | 75 |
| 20 | 61 |
| 15 | 40 |
| 10 | 20 |
| 8 | 11 |
| 6.3 | 5 |

Bulk Density (t/m³)

| | |
|-----------|-----|
| Loose | 2.3 |
| Compacted | 2.5 |

Shatter (%+10mm)

| | |
|------------|----|
| (JIS 8711) | 96 |
|------------|----|

Tumble (%+6.3mm)

| | |
|------------|----|
| (ISO 3271) | 87 |
|------------|----|

Abrasion (%-0.5mm)

| | |
|------------|---|
| (ISO 3271) | 8 |
|------------|---|

Decrepitation (%-5mm)

| | |
|------------|---|
| (ISO 8371) | 5 |
|------------|---|

RDI (%-2.8mm)

| | |
|--------------|----|
| (ISO 4692-2) | 22 |
|--------------|----|

Reducibility (% Redn)

| | |
|------------|----|
| (ISO 7215) | 59 |
|------------|----|

The typical specifications set out above are indicative only. Seller does not warrant compliance with the typical specifications and reserves the right to amend them at any time.