

## Product: Ceramic Structured Packing

### Chemical composition

| SiO <sub>2</sub> | Fe <sub>2</sub> O <sub>3</sub> | CaO   | Al <sub>2</sub> O <sub>3</sub> | MgO   |
|------------------|--------------------------------|-------|--------------------------------|-------|
| ≥72%             | ≤0.5%                          | ≤1.0% | ≥23%                           | ≤1.0% |

### Physical property

| Index                                | Value |
|--------------------------------------|-------|
| Specific gravity(g/cm <sup>3</sup> ) | 2.5   |
| Water absorption(wt%)                | ≤0.5  |
| Acid resistance(wt%)                 | ≥99.5 |
| Loss in burn(wt%)                    | ≤5.0  |
| Max. operating Temp.(Degree C)       | 800   |
| Crush strength(Mpa)                  | ≥130  |
| Mohs Hardness(Scale)                 | ≥7    |

## Geometric characteristic

| Spec. | Specific surface(m <sup>2</sup> /m <sup>3</sup> ) | Bulk density (kg/m <sup>3</sup> ) | Void ratio(% ) | Obl. angle | Pressure drop (mmHg/m) | Theo. plate(m <sup>-1</sup> ) | Hydraulic diameter (mm) | Liquid load (m <sup>3</sup> /m <sup>2</sup> h) | Max. Factorm/s (Kg/m <sup>3</sup> )-1 |
|-------|---|-----------------------------------|----------------|------------|------------------------|-------------------------------|-------------------------|--|---------------------------------------|
| 125Y  | 125   | 320                               | 90             | 45°        | 1.8                    | 1.8                           | 28                      | 0.2-100  | 3                                     |
| 160Y  | 160   | 370                               | 85             | 45°        | 2                      | 2                             | 15                      | 0.2-100  | 2.8                                   |
| 250Y  | 250   | 420                               | 80             | 45°        | 2                      | 2.5                           | 12                      | 0.2-100  | 2.6                                   |
| 350Y  | 350   | 470                               | 78             | 45°        | 2.5                    | 2.8                           | 10                      | 0.2-100  | 2.5                                   |
| 400Y  | 400   | 500                               | 75             | 45°        | 3                      | 3                             | 8                       | 0.2-100  | 2                                     |
| 450Y  | 450   | 520                               | 72             | 45°        | 4                      | 4                             | 7                       | 0.2-100  | 1.8                                   |
| 550Y  | 550   | 620                               | 74             | 45°        | 5.5                    | 5-6                           | 6                       | 0.18-100                                       | 1.4                                   |
| 700Y  | 700   | 650                               | 72             | 45°        | 6                      | 7                             | 5                       | 0.15-100                                       | 1.3                                   |
| 100X  | 100   | 280                               | 92             | 30°        | 1.5                    | 1                             | 30                      | 0.2-100  | 3.5                                   |
| 125X  | 125   | 300                               | 90             | 30°        | 1.8                    | 1.5                           | 28                      | 0.2-100  | 3.2                                   |
| 160X  | 160   | 350                               | 85             | 30°        | 2                      | 1.8                           | 15                      | 0.2-100  | 3                                     |
| 250X  | 250   | 380                               | 80             | 30°        | 2.5                    | 2.3                           | 12                      | 0.2-100  | 2.8                                   |
| 350X  | 350   | 450                               | 78             | 30°        | 3                      | 2.5                           | 10                      | 0.2-100  | 2.6                                   |
| 400X  | 400   | 480                               | 75             | 30°        | 4                      | 2.8                           | 8                       | 0.2-100  | 2.2                                   |
| 450X  | 450   | 500                               | 72             | 30°        | 4.5                    | 3-4                           | 7                       | 0.2-100  | 2                                     |
| 470X  | 470   | 440                               | 75             | 30°        | 5                      | 5                             | 7                       | 0.2-100  | 1.8                                   |
| 550X  | 550   | 620                               | 74             | 30°        | 5.5                    | 5-6                           | 6                       | 0.18-100                                       | 1.4                                   |
| 700X  | 700   | 650                               | 72             | 30°        | 6                      | 7                             | 5                       | 0.15-100                                       | 1.3                                   |