

AREVENCA REFINERY COMPLEX

Arevenca Building, Suite 200
LG Smith Boulevard #60
Oranjestad, Aruba

Pet Coke

TECHNICAL SPECIFICATIONS

1. Chemical composition and test method:

- Humidity (%): 0.20 Max.; ISO 2508-88 or 579-81.
- Volatile (%): 0.30 Max., ASTM D 3175-97.
- Ash (%): 0.50 Max., ASTM D 3174-97.
- Fixed Carbon (%): 99.00 Min, ASTM D 3172-97.
- Sulfur (S) (%): 1.9 - 2.8; ASTM D 1239-97.
- Iron (Fe) (ppm): 300 Max., ASTM D 3682-96.
- Silicon (Si) (ppm): 200 Max., ASTM D 3682-96.
- Nickel (Ni) (ppm): 220 Max., ASTM D 3682-96.
- Vanadium (V) (ppm): 270 Max., ASTM D 3682-96.
- Sodium (Na) (ppm): 150 Max., ASTM D 3682-96.
- Calcium (Ca) (ppm): 150 Max., ASTM D 3682-96.
- Nickel + Vanadium (Ni + V) (ppm): 450 Max., ASTM D 3682-96.
- Titanium (Ti) (ppm): 30 Max., ASTM D 3682-96.
- Other c / u (Al, Mg, K, Cu, Zn) (ppm): 100 Max.

2. Physical properties and test methods:

- Real Density (g/cm³): 2.065 to 2.09, ASTM D 2638-97 and ISO 8004-85.
- Vibrated Bulk Density (g/cm³) (-28 mesh + 48 mesh): 0.87 Min; ASTM D492-92 or ISO 10236-95.
- Electrical resistivity (micro ohm.m): 460. 520, ISO DIS 10143-95.
- CO₂ reactivity (%): 10 Max. and ISO 12981-1.
- Reactivity in air (O₂) at 600 ° C (% / min): 0.15 Max. and ISO 12982-1.

3. Particle size distribution:

- 25.4 Mn + 19 mm (%): 5 Max., ASTM D 293-93.
- 19 Mm + 4.75 mm (%): 25. 50, ASTM D 293-93
- 4.75 Mm +0.850 mm (%): Rest, ASTM D 293-93.
- 0.850 Mm (%): 25 Max., ASTM D 293-93.

4. Presentation: Bulk