

DYNOCEL® 644

MOLECULAR SIEVE PROCESS ADSORBENT

Typical Properties

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|---------------------|--|---|
| Physical | Pore Diameter | 4 Å |
| | Shape | Spherical or Extrudate |
| | Crush Strength | 14 – 20 lbs (4 x 8 mesh) 7 – 12 lbs (8 x 12 mesh) |
| | Water Adsorption Capacity* | ≥ 21.5 lbs water/100 lbs |
| | Heat of Adsorption | 1,800 BTU/lb H ₂ O |
| | Specific Heat | 0.23 BTU/lb °F |
| | Moisture Content | 1.5 % in Maximum Weight |
| | Bulk Density – 4 x 8 mesh 8 x 12 mesh | 40 – 47 lbs/ft ³ for 4 x 8 mesh 42 – 48 lbs/ft ³ for 8 x 12 mesh |
| | Size – nominal (other sizes available on request) | 4 x 8 mesh, 1/8", (3.0 mm) 8 x 12 mesh, 1/16", (1.5 mm) |
| Availability | Packaging | 1 MT supersacks 150 kg steel drums available |

Application Dynocel 644 is used to dehydrate various vapor phase and liquid phase process streams such as air, natural gas, carbon dioxide, hydrogen, oxygen, refrigerants, solvents, etc.

* at 25 °C and 17.5 mm Hg.

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