



## Calsieve F50 Molecular Sieve

**Molecular Formula**  $\text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 9/2\text{H}_2\text{O}$

**Applications:** Calsieve F50 beads dehydrating agent provides wide-ranging compatibility with refrigerants, excellent water capacity, higher physical strength and higher resistance to attrition when dry or saturated. It is a universal desiccant and can be suitable to lots of refrigerants, such as: R-12, R-22, R-124, R-125, R-134A, R-143A, R-152 including their blends and the corresponding lubricants

- ✓ Superior Chemical Compatibility with R-22, R-124, R-125, R-134A, R-143A, R-152 including their blends and the corresponding lubricants
- ✓ High Water Capacity
- ✓ High bead crush strength
- ✓ Resistance to attrition when dry
- ✓ Resistance to attrition when hydrated

No "outgassing" of air

### Charateristics:

Property	Unit	Value	
Bead size	mm	1.6-2.5	3-5
Nominal pore opening	Angstrom Å	4	
Equilibrium water capacity	% weight	19	
Heat of absorption	KJ/kg of H <sub>2</sub> O	4200	
Bulk density	Kg/m <sup>3</sup> (min)	820	
Crush stenght	N (min)	80	100
Wear rate	% weight /max)	0.1	
Moisture content	% weight (max)	1.5	

**Regeneration:** Dehydration: It can be regenerated for reuse by heating and blowing or extraction. The degree of regeneration (water removal) is dependent on the temperature and humidity of the purge gas.

**Packaging:** 180 kg Air –tight steel drums

**Storage:** The molecular sieve shall be stored at room temperature, in which the relative humidity is not exceed 90%, and be not exposed in air, and prevented against water, acids and alkalis.

**Safety:** Please consult the Safety Data Sheets

The above mentioned information are in good faith based on our knowledge. In any case they have to be considered indicative and we will not have any responsibility in the use of the product itself or mixed with other products