

HP-13X31

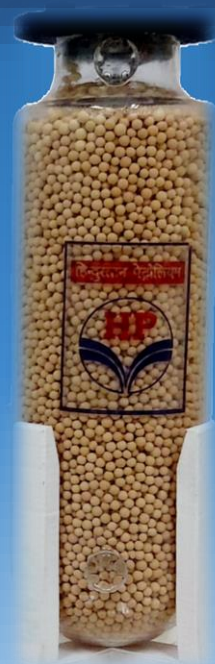
Adsorbent for PSA Applications

- Enhanced CO₂ adsorption capacity

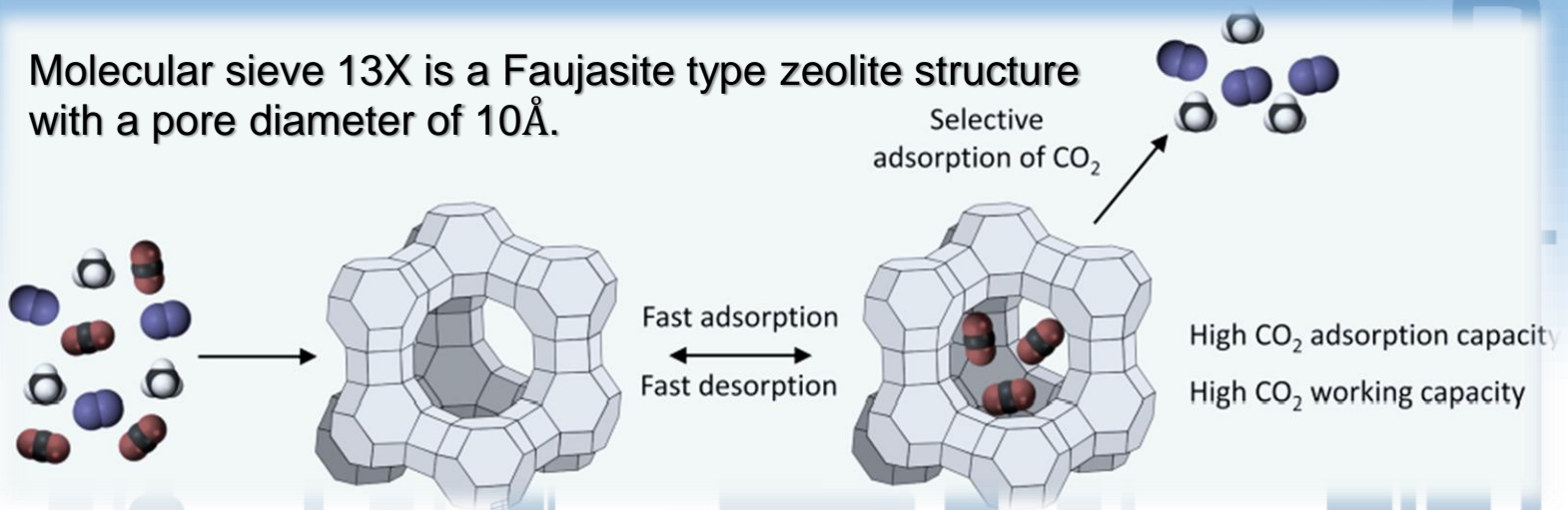
- Tuneable Physical Properties

- Low attrition loss

- Cost effective



Molecular sieve 13X is a Faujasite type zeolite structure with a pore diameter of 10Å.



HP Green R&D Centre has synthesized and scaled-up India's First Commercial Scale PSA adsorbent.

HP-13X31

Adsorbent for PSA Applications

Key Differentiators

- ✓ Enhanced zeolite crystallinity ($\Delta+15\%$)
- ✓ Cost effective (20% lower cost than commercial adsorbent)
- ✓ High CO₂ adsorption capacity ($\Delta+5\%$)
- ✓ Low Loss on Ignition ($<0.2\%$)
- ✓ Low attrition loss ($<0.03\%$)

Applications

- ✓ Pre-Purification Unit before Cryogenic plant
- ✓ Natural Gas Sweetening, mercaptan removal from LPG
- ✓ Oxygen Gas Plant in Steel Industries, Glass Industries and Metal Industries