



Molecular Sieves 13X

Molecular Sieve 13X is used commercially for general gas drying, air plant feed purification (simultaneous removal of H₂O and CO₂) and liquid hydrocarbon and natural gas sweetening (H₂S and mercaptan removal). All molecules which can be adsorbed on molecular sieves 3A, 4A and 5A can be adsorbed on Type 13X. In addition, Type 13X can adsorb molecules of larger critical diameters, such as aromatics and branched-chain hydrocarbons.

Properties	Specifications			
	Granular		Beaded	
Beads size (inch)	1/16	1/8	3/32	1/8
Beads (mesh)	12x14	7x8	6x8	4x8
Beads (mm)	1.5-1.7	3.0-3.3	2.0-3.0	3.0-5.0
Pore diameter (angstroms)	10	10	10	10
Static Adsorption Capacity >= %	25	25	25	25
Abrasion loss, <= %	0.1	0.2	0.1	0.1
Qualified ratio of granules/beads, >= %	98	98	96	96
Bulk density (lb/cuft)	41	41	45	45
Crushing strength (lb), >=	8	12	8	15
CO₂ Adsorption, NL/g >= %	18	18	18	18
Water Content, <= %	1.5	1.5	1.5	1.5
Packaging	150kg (330lb) air tight drums or 25kg (55lb) cartons			
Appearance	Light tan pellets		Light tan beads	

Storage

Keep container sealed at all times to prevent exposure to air moisture during storage.