

Molecular Sieve "NANOMOL"

TECHNICAL CHARACTERISTICS	molecular sieve as a mixture of synthetic zeolithes with natural desiccants and binders with very high 3 Angström character and very high water adsorption capacity
Tc VALUE acc EN 1279-2	more than 24%
DENSITY	830 gram/liter +/- 5%
GRANULE SIZES	0,5 - 0,8 mm for automatic filling 1,0 - 1,5 mm for semi-automatic filling and manual filling 1,4 - 1,8 mm for hand filling
PACKAGING MOISTURE	less than 0,8 weight-% (measured at 400 Celsius)
IGNITION LOSS according to EN 1279-2	less than 3,0 weight-% (measured at 950 Celsius)
DUST	<20 ppm for sizes <1,0 mm <15 ppm for sizes >1,0 mm
FRICTION LOSSES	Dust formation after 2h agitation for all sizes <0,05%
GAS DESORPTION	less than 10 ml for 40 gr molecular sieve at 30 minutes by 60 Celsius after 3 hours air contact given in ml of gas at 23 Celsius 1000 mbar
DELTA-T VALUE	more than 45 Celsius for 20 gr molecular sieve with 20 gr water at 23 +/- 3 celsius sieve beads with diameters > 1,0mm have 3-5 Celsius less Delta-T values
WATER ADSORPTION-SPEED	within the first 3 hours less than 4 weight-% (at 23 Celsius and 32% RH) within the first 3 hours less than 6 weight-% (at 23 Celsius and 60% RH)
PACKAGING	25 kg carton 160 kg steel barrels 650 kg bigbags
CHARACTERISTICS	extrem low electrostatic load perfect flowability by automatic filling high surface hardness due to hardening process very narrow size calibration width
STORAGE	Guaranteed storage period is 24 months in the original packing, in dry storage facilities at temperatures between 10 Celsius and 30 Celsius Do not store under direct sun
CERTIFICATES	NANOMOL is certified by Rosenheim Institute/Germany on 13th October 2009 according to EN 1279-2 NEDEX is certified by TÜV-Süd Germany according to ISO 9001-2000