


DATA SHEET

ZEOCHEM[®] Rubingel

Narrow pore silica gel beads impregnated with an indicator for adsorption activity. Active = red, reduced activity = yellow.		DESCRIPTION
Moisture adsorption in electric power stations, in tank breathers, in laboratory desiccators, as packaging desiccant, for drying air and other gases where an optical indication of saturation is required.		APPLICATION FIELDS
<p>Bulk density (tapped) (DIN/ISO 787) 750 g/l</p> <p>Specific surface area 700 m²/g</p> <p>Nominal pore diameter 2.0 nm</p> <p>Pore volume 0.4 ml/g</p> <p>pH (10 % aqueous suspension) 6</p> <p>Residual water content at 160°C 1.5 %</p> <p>Water adsorption capacity at 25°C</p> <ul style="list-style-type: none"> - 20% relative humidity 10 % - 50% relative humidity 25 % 		<p>TYPICAL PROPERTIES</p> 
<p>SiO₂ 94.5 %</p> <p>Al₂O₃ 2 %</p> <p>H₂O 1.5 %</p> <p>Na₂O 1 %</p> <p>SO₃ 0.9 %</p> <p>Humidity indicator (restricted stability to light) 0.1 %</p>		TYPICAL CHEMICAL COMPOSITION
Nominal bead size ranges	<p>1 – 3 mm (article no. 10561)</p> <p>3 – 6 mm (article no. 10562)</p>	PARTICLE SIZE
Zeochem Rubingel which has been spilled or loaded with water (yellow colour) may be regenerated by blowing hot dry air at max. 120°C through the gel for about 5 hours (red colour). After cooling in a dry gas stream it may be re-used.		REGENERATION
Unlimited time in tightly closed packaging under cool and dry conditions. In order to keep the silica gel fully active (red colour), both the polyethylene liner and the outer carton / drum should be closed immediately after use.		STORAGE AND ACTIVITY
Steel drums of 40 kg and 140 kg, cartons of 5 kg and 25 kg net weight, all with inner polyethylene bag.		PACKAGING
Zeochem Rubingel is non-toxic.		TOXICITY
7631-86-9		CAS REGISTRY NO.

All information contained in this data sheet is given in good faith but without warranty or guarantee of any kind whatever, whether implied or expressed.

TD Rubingel 210103 CK, replaces TD Rubingel 210802 ES