vibrafoam | vibradyn
PURASYS | PURASYS

Stability against chemical influences

General information

Test in accordance with DIN 53428:1986-08
(Testing of foams; Determination of the behaviour of liquids, fumes, gases and solids):

Evaluation criteria:

Evaluation levels:

Exposure time:
6 weeks at room temperature
7 days at room temperature for concentrated acids and bases

Changes in tensile strength, elongation at break and volume change

A) Excellent resistance against chemical influences
B) Good resistance against chemical influences
C) Moderate resistance against chemical influences
D) No resistance against chemical influences

Water / aqueous solutions	PURASYS vibrafoam SD	PURASYS vibradyn® S
Water	A	A
Ferrous chloride 10 %	A	A
Sodium carbonate 10 %	A	A
Sodium chlorate 10 %	A	A
Sodium chloride 10 %	A	A
Sodium nitrate 10 %	A	A
Tensides (various)	A	A
Hydrogen peroxide 3 %	A	A
Concrete slurry	A	A
Acids and bases	**PURASYS vibrafoam SD**	**PURASYS vibradyn® S**
Formid acid 5 %	C	C
Acetic acid 5 %	B	B
Phosphoric acid 5 %	A	A
Nitric acid 5 %	D	D
Hydrochloric acid 5 %	A	A
Sulfuric acid 5 %	A	A
Ammonia solution 5 %	A	A
Potassium lye 5 %	A	A
Soda lye 5 %	A	A
Environmental and biological influences	**PURASYS vibrafoam SD**	**PURASYS vibradyn® S**
Hydrolysis (28 days, 70 °C, 95 % relative humidity)	A	A
Ozone	A	A
UV radiation and weather	A/B	A/B
Biological stability	A	A
Oil and Fats	**PURASYS vibrafoam SD**	**PURASYS vibradyn® S**
ASTM Oil No. 1	A	A
ASTM Oil No. 3	B	B
Drilling oil	B	B
Hydraulic oils	depending on composition	depending on composition
Motor oil	A	A
Forming oil	A	A
Flange lubricant	C	A/B
Point grease	A/B	A/B
Solvents	**PURASYS vibrafoam SD**	**PURASYS vibradyn® S**
Acetone	D	D
Diesel/heating oil	B	B
Motor gasoline/petrole	C	C
Glycerin	A	A
Glycols	B	A/B
Cleaning benzine/hexan	B	A
Methanol	D	C
Aromatic hydrocarbons	D	D

All information and data is based on our current knowledge. The data are subject to typical manufacturing tolerances and are not guaranteed.
We reserve the right to amend the data.