

## Inorganic compounds

| Test medium             | Chemical formula                | Concentration % | temperature °C | pressure (bar) | carbon graphite, not impregnated | graphite, not impregnated | carbon graphite, resin impregnated | graphite, resin impregnated | resin bonded carbon | carbon graphite and graphite, antimony impregnated | carbon graphite and graphite, lead impregnated | carbon graphite and graphite, copper impregnated |
|-------------------------|---------------------------------|-----------------|----------------|----------------|----------------------------------|---------------------------|------------------------------------|-----------------------------|---------------------|--|--|--|
| <b>2. Acid halogens</b> |                                 |                 |                |                |                                  |                           |                                    |                             |                     |  |  |  |
| Chlorosulfonic acid     | SO <sub>2</sub> · OH · Cl       | 100             | 20             | -              | -                                | o                         | o                                  | o                           | -                   | -  | -  | o  |
| Chlorosulfonic acid     | SO <sub>2</sub> · OH · Cl       | 100             | 100            | -              | -                                | -                         | -                                  | -                           | -                   | -  | -  | -  |
| Phosphorus oxychloride  | POCl <sub>3</sub>               | 100             | 20             | -              | +                                | +                         | +                                  | +                           | +                   | -  | -  | +  |
| Sulfuryl chloride       | SO <sub>2</sub> Cl <sub>2</sub> | 100             | 20             | -              | +                                | +                         | o                                  | o                           | -                   | -  | -  | o  |
| Thionyl chloride        | SO CL <sub>2</sub>              | 100             | 20             | -              | +                                | +                         | +                                  | +                           | +                   | -  | -  | +  |
|                         |                                 |                 |                |                | + resistant                      | o partially resistant     | - not resistant                    |                             |                     |  |  |  |