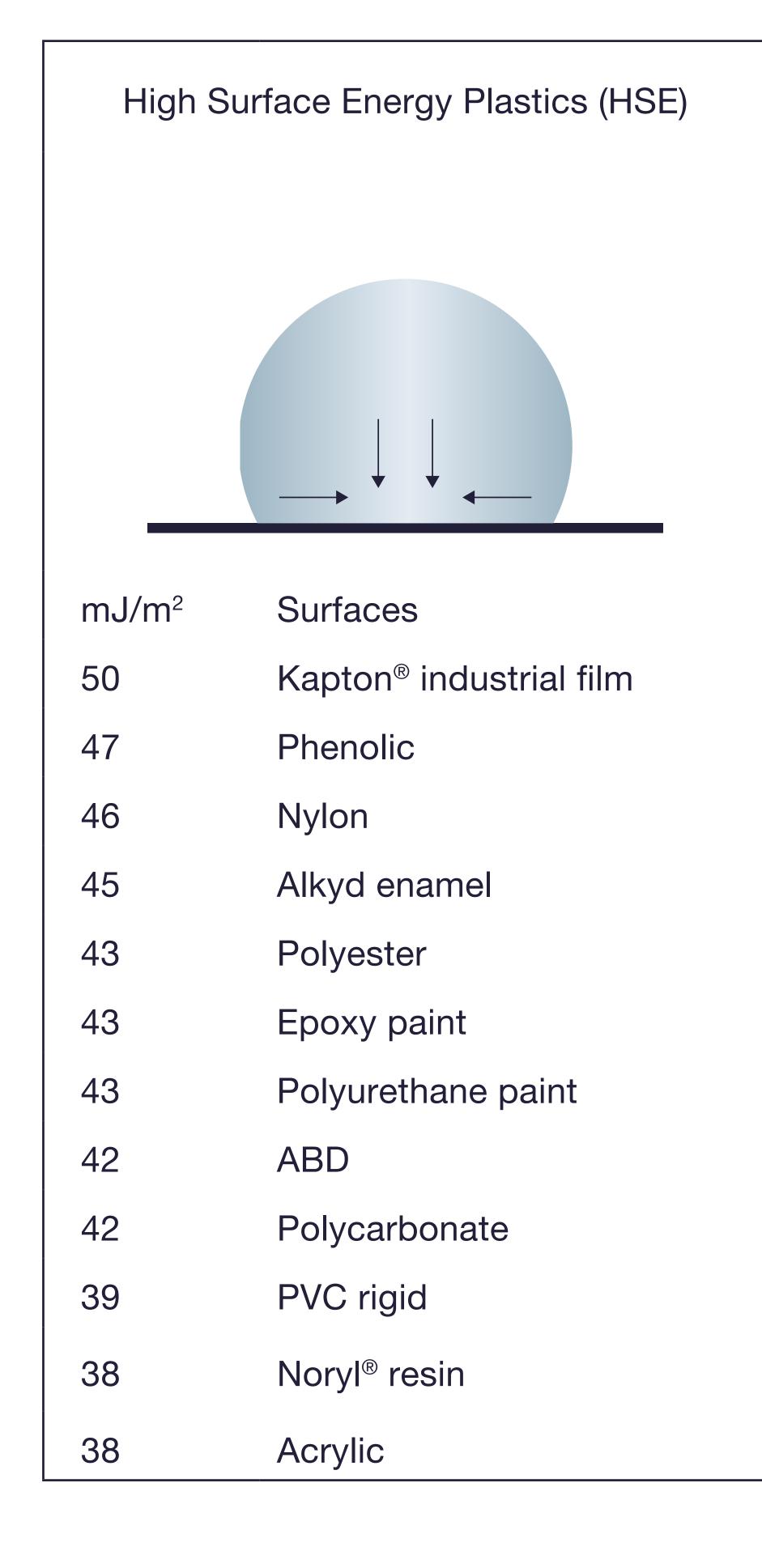
# Surface Energy Chart

The surface energy / surface tension of a substrate determines how readily an adhesive can 'wet out' on the surface. Typically, adhesion will be at its best when the surface energy of the substrate is higher than that of the adhesive. It is poor when the substrate surface energy is lower than the adhesive.

#### **Easiest to Bond**

## Metal Surfaces (High Surface Energy) mJ/m<sup>2</sup> Surfaces 1103 Copper 840 Aluminium 753 Zinc 526 Tin 458 Lead 700-1100 Stainless steel 250-500 Glass porcelain

### **Easier to Bond**



#### Difficult to Bond

