

INSTANT CYANOACRYLATE ADHESIVES



PHYSICAL PROPERTIES

FLASH POINT ISO 2592	: 87°C
OPERATING TEMPERATURE	: -50°C +80°C
SOFTENING RANGE	: 160/170°C
REFRACTIVE INDEX n_D^{20}	: similar to glass
ELECTRICAL RESISTIVITY DIN 53482 ($\Omega \cdot \text{mm}$)	: $> 10^{15}$
DIELECTRIC STRENGTH DIN 53481 (Kv/mm)	: 25
DIELECTRIC CONSTANT DIN 53483 (1 Mhz)	: 5,2

PRODUCT	Chemical composition	Specific gravity 20°C g/ml	Viscosity 20°C mPa.s	Gap filling microns	Speed of bonding*	Tensile strenght DIN 53288 N/mm ²	Shear strenght DIN 58283 N/mm ²	Impact strenght ASTM D 950 N.m/mm ²
IST 14	Methyl	1,15	100 - 150	10 - 100	2	25 - 30	20 - 25	10 - 15
IST 23	Ethyl	1,06	40 - 80	10 - 60	3	18 - 25	13 - 18	13 - 18
IST 32	Ethyl	1,05	10 - 20	10 - 40	5	18 - 25	13 - 18	13 - 18
IST 41	Ethyl	1,05	20 - 50	10 - 40	5	18 - 25	13 - 18	15 - 20
IST 43	Ethyl	1,06	100 - 150	10 - 150	4	22 - 25	15 - 20	15 - 20
IST 47	Ethyl/Gel	1,10	15000 - 40000	10 - 400	2	12 - 25	18 - 26	10 - 20
IST 63	Alcoxy	1,07	100 - 150	10 - 150	1	10 - 25	14 - 22	15 - 20

* Relative setting time : (5 = highest speed, 1 = lowest speed)

SUGGESTED APPLICATIONS

- 14 General purpose - for metal to metal, metal to rubber, plastics and hard materials.
- 23 General purpose - rubber, plastics and ceramics.
- 32 Fast setting - excellent with difficult rubber, foam, EPDM rubber and soft plastics.
- 41 Low viscosity, fast setting on acidic and porous surfaces and difficult rubber.
- 43 High resistance on wood, leather, fabrics, ceramics and metal.
- 47 Gel, no drip, no run - vertical applications.
- 63 Low viscosity, no odor, no blooming effect - polycarbonate.

