POLYVANTIS

LEXAN™ CHEMICAL RESISTANCE TEST

UNCOATED & COATED PRODUCTS



Chemical	Uncoated LEXAN™ PC Sheet	LEXAN™ FMR5XT Sheet	LEXAN™ MRX Sheet	LEXAN™ MR5E Sheet
Thinner	OK	OK	OK	OK
Eco Thinner*	OK	OK	OK	OK
Classic All-purpose cleaner	OK	OK	OK	OK
Glass Cleaner (GLASSEX)	OK	OK	OK	OK
Hairspray**	OK	OK	OK	OK
Toluene	W/S	W/S	OK	OK
Acetone	W/S	W/S	OK	OK
MEK	W/S	OK	OK	OK
Methanol	OK	OK	OK	OK
Ethanol	OK	OK	OK	OK
2-propanol (IPA)	OK	OK	OK	OK
Dichloromethane	W/S	W/S	OK	OK
Petrol	OK	OK	OK	OK
Diesel	OK	OK	OK	OK
Oil-based cutting oil	OK	OK	OK	OK
Ammonium hydroxide 35%	OK	OK	OK	OK
Hydrochloricacid 20%	OK	W/S	OK	OK
Sulfuric Acid 20%	OK	W/S	OK	OK

*< 2% aromatic

**Hairspray gives a stain but can be cleaned with IPA, it than showed that the Hairspray visually did no damage to the surface

W= surface whitening

S= surface dissolution

TEST:

To test the chemical resistance of the coating, 2 droplets of a chemical are applied on the coated flat sheet and wiped off (completely dry) after 1 minute, 5 minutes and 24hours, after 10 minutes of waiting time, the samples are visually analyzed and rated.

The tests are performed at room temperature (approx. 23ºC)

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