

+ + + = good	+ + - = o.k.	+ - - = not satisfactory	- - - = impossible
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Thermoplastics

Abbreviation	Chemical Name	Commercial Name	Adhesive ability without pre-treatment	Comments	possible other pre-treatment
ABS	Acryl-nitrile-butadiene-styrene	Novodur W Terluran	+ - -		grinding with sandpaper
CA	Cellulose acetate	Cellidor A	+ + -		degreasing
PA PA 6.6	Polyamide	Ultramid Nylon, Perlon	+ + +		
PA 11, 12		Vestamid Rilsan			
PBTP	Butylenetherephthalate	Ultradur	+ + -		
PC	Polycarbonate	Makrolon	+ + +	no solvent resistant	
PE	Polyethylene	Lupulen Hostalen	- - -	with Primer CB 9050 (+ + -)	ozone treatment plasma
PP	Polypropylene	Novolen Hostalen PP Baylon	- - -	with Primer CB 9050 (+ + -)	as PE Plasma
PMMA	Polymethylmethacrylate	Plexiglas Resarit	+ + +	danger of tension cracking	degreasing
POM	Polyoxymethylene (Polyacetal)	Delrin Hostafom	- - -	danger of tension cracking	etching with phosphoric acid
PPO	Polyphenyleneoxide	Noril	+ + -		
PS	Polystyrene	Vestyron Hostyren	+ + +	solvent-sensitive, danger of tension cracking	-
PSU	Polysulfon		+ + -	danger of tension cracking	degreasing
PTFE	Polytetrafluorethylene	Teflon Hostafalon	- - -	with Primer CB 9050 (+ + -)	pickling with Tetra Etch from Gore
PVC	Poly vinyl chloride	Hostalit Vestolit	+ + -	because of acidic surfaces difficulties in curing	with alcaline detergents
h-PVC PVC-U	Hard PVC German English	Hostalit Z Vestolit V	+ + -		as PVC
w-PVC PVC-P	Soft PVC German English	Mipolam Acella Skai	+ - -	worse with increasing plasticiser content	as PVC
SAN	Styrene Acryl Nitrile	Luran Vestoran	+ + +		-
SB	Styrene Butadiene	Polystyrol- impact-resistant Vestyron H I Superflex	+ + +		grinding
TPU	Polyurethane	Vulkollan	+ - -	interfaced and linear PUR	cleaning

Duroplastics

Abbreviation	Chemical Name	Commercial Name	Adhesive ability without pre-treatment	Comments	possible other pre-treatment
EP	Epoxyde	Metallon Araldite	+ + -		cleaning
MF	Melaminformaldehyd	Bakelite Resopal	+ + +	surface pH 8	cleaning
PF	Phenolformaldehyd	Phenoplast, Pertinax	+ + -		grinding
UF	Urea formaldehyde	Beckaminol Kaurit	+ - -		grinding
UP	Polyester	Palatal	+ - -	worse with increasing fiberglass content	grinding

Elastomers

Abbreviation	Chemical Name	Commercial Name	Adhesive Ability without pre-treatment	Comments	possible other pre-treatment
ACM	Acrylic ester caoutchouc	Hycar 4021	++-		
CHR	Epi chlor hydrine caoutchouc	Hydrin (Goodrich) Herchlor	++-		
CIIR	Chlor butyl caoutchouc	Esso-Butyl HT Chloroprene	+++		
CR	Chloroprene caoutchouc	Neoprene (Du Pont)	+++		
CSM	Chlor-sulfonated polyethylene	Hypalon (Du Pont) Baypren Hypalon	++-		
EPDM	Ethylen-propylen-di-caoutchouc	Vistalon(Esso), Buna AP, Keltan	++ (+)		
FPM	Flourine propylene methyl vinyl ether co-polymer	Viton (Du Pont)	++-		
IIR	Butyl caoutchouc	Hycar-Butyl	+++		
NR	Natural caoutchouc	Buna	++-		
SBR	Styrene butadiene caoutchouc	Buna, FRS	+++		
SI	Silicone caoutchouc	Silopren	---		
TPE	Thermoplastic elastomers	Santoprene	---	with Primer CB 9050 (++-)	