

### Plastic Welding Equipment

- Munsch extrusion welders
- Forsthoff hot air welders
- Omisa PE pipe butt welders
- Superfusion weld rod
- Bending bars
- Accessories
- Machinery hire

### Poly Pipe Engineering

- Fabrication
- Site welding
- Specialist pipe fittings
- Pipe sales

### Compressed Air and Fluid Piping Systems

**FORSTHOFF**



L2. Common Plastics Reference Guide

Abbrev.	Material	Density g/cm <sup>3</sup>	Softening or melting range °C	Symbol
ABS	Acrylonitrile Butadiene Styrene	1.05	102	
CA, CAB	Cellulosics	1.15-1.35	125-175	
EP	Epoxy Resins	1.1-1.4	Does not melt	
HDPE	High Density Polyethylene	.91-.97	107-130	
HIPS	High Impact Polystyrene	1.04-1.08	80-90	
LDPE	Low Density Polyethylene	0.935	114	
LLDPE	Linear Low Density Polyethylene	.91-.97	107-130	
MDPE	Medium Density Polyethylene	.91-.97	107-130	
MF	Melamine Formaldehyde	1.47-1.52	Does not melt	
Mod PPE	Polyphenylene Ether	1.06	100-175	
PA 6	Nylon 6	1.12-1.15	215-225	
PA 6,10	Nylon 6,10	1.07-1.09	210-220	
PA 6,6	Nylon 6,6	1.12-1.15	260-270	
PA11	Nylon 11	1.03-1.05	170-180	
PA12	Nylon 12	1.01-1.04	170-180	
PBT	Polybutylene Terephthalate	1.31-1.38	220-260	
PC	Polycarbonate	1.2	140-150	
PET	Polyethylene Terephthalate	1.33-1.41	250-260	
PF	Phenol Formaldehyde	1.30-1.41	Does not melt	
PMMA	Polymethylmethacrylate (acrylic)	1.16-1.20	90-100	
PMP	Polymethylpentene (TPX)	0.83	+/- 240	
POM	Polyoxymethylene (polyacetal)	1.41-1.43	160	
PP	Polypropylene	0.91	160-165	
PPVC	Plasticized Polyvinyl Chloride	1.36	70-90	
PS	Polystyrene	1.03-1.08	80-95	
PTFE	Polytetrafluoroethylene	2.1-2.3	330	
SAN	Styreneacrylonitrile	1.04-1.08	100-105	
SI	Silicone Resins	1-1.2	Does not melt	
UF	Ureaformaldehyde	1.47-1.52	Does not melt	
UP	Unsaturated Polyester Resins	1.1-1.4	Does not melt	
UPVC	Unplasticized Polyvinyl Chloride	1.36	70-100	