



## Plastic Properties Chart

When repairing, some parts may be deformed by the heats. Therefore, confirm the properties of the plastic parts, and remove parts beforehand as necessary.

Code	Material name	Heat* temperature limit °C (°F)	Resistance to alcohol or gasoline	Notes
ABS	Acrylonitrile Butadiene Styrene	80 (176)	Alcohol is harmless if applied only for short time in small amounts. (e.g., quick wiping to remove grease.)	Avoid gasoline and organic or aromatic solvents.
AES	Acrylonitrile Ethylene Styrene	80 (176)	Alcohol is harmless if applied only for short time in small amounts. (e.g., quick wiping to remove grease.)	Avoid gasoline and organic or aromatic solvents.
ASA	Acrylonitrile Styrene Acrylate	80 (176)	Alcohol is harmless if applied only for short time in small amounts. (e.g., quick wiping to remove grease.)	Avoid gasoline and organic or aromatic solvents.
EPDM	Ethylene Propylene	100 (212)	Alcohol is harmless. Gasoline is harmless if applied only for short time in small amounts.	Most solvents are harmless but avoid dipping in gasoline, solvents, etc.
PA	Polyamide (Nylon)	80 (176)	Alcohol and Gasoline are harmless.	Avoid battery acid.
PBT	Polybutylene Terephthalate	160 (320)	Alcohol and Gasoline are harmless.	Most solvents are harmless.
PC	Polycarbonate	120 (248)	Alcohol is harmless.	Avoid gasoline brake fluid, wax, wax removers and organic solvents. Avoid alkali.
PE	Polyethylene	80 (176)	Alcohol and Gasoline are harmless.	Most solvents are harmless.
PET	Polyethylene Terephthalate	75 (167)	Alcohol and Gasoline are harmless.	Avoid dipping in water.
PMMA	Polymethyl Methacrylate	80 (176)	Alcohol is harmless if applied only for short time in small amounts.	Avoid dipping or immersing in alcohol, gasoline, solvents, etc.
PP	Polypropylene	80 (176)	Alcohol and Gasoline are harmless.	Most solvents are harmless.
PVC	Polyvinylchloride (Vinyl)	80 (176)	Alcohol and Gasoline are harmless. If applied only for short time in small amounts. (e.g., quick wiping to remove grease.)	Avoid dipping or immersing in alcohol, gasoline, solvents, etc.
TPE	Thermoplastic Elastomer	80 (176)	Alcohol and Gasoline are harmless. If applied only for short time in small amounts. (e.g., quick wiping to remove grease.)	Most solvents are harmless but avoid dipping in gasoline, solvents, etc.
TPO	Thermoplastic Olefine	80 (176)	Alcohol and Gasoline are harmless. If applied only for short time in small amounts. (e.g., quick wiping to remove grease.)	Most solvents are harmless but avoid dipping in gasoline, solvents, etc. TSOP

