

Plastic Parts Paint

Features of Plastic Material

- Check each of the plastic parts for solvent resistance and heat resistance temperatures before you do any repair work.
- Select the repair material according to materials of the plastic parts.

Standard Symbol	Name	Heat Resistance Temperature °F (°C)	Solvent Resistance	Note
AAS	Acrylonitrile acrylic styrene	176 (80)	A small amount of alcohol is acceptable for a short time. (Degreasing)	An organic solvent such as gasoline is not recommended. An aroma product is not recommended.
ABS	Acrylonitrile butadiene styrene	176 (80)	A small amount of alcohol is acceptable for a short time. (Degreasing)	An organic solvent such as gasoline is not recommended. An aroma product is not recommended.
AES	Acrylonitrile ethylene styrene	176 (80)	A small amount of alcohol is acceptable for a short time. (Degreasing)	An organic solvent such as gasoline is not recommended. An aroma product is not recommended.
A/EPDM/S	Acrylonitrile / ethylene propylene diene rubber / styrene	176 (80)	A small amount of alcohol is acceptable for a short time. (Degreasing)	An organic solvent such as gasoline is not recommended. An aroma product is not recommended.
ASA	Acrylonitrile styrene acrylate	176 (80)	A small amount of alcohol is acceptable for a short time. (Degreasing)	An organic solvent such as gasoline is not recommended. An aroma product is not recommended.
CAB	Cellulose acetate butylate	176 (80)	A small amount of alcohol is acceptable for a short time. (Degreasing)	An organic solvent such as gasoline is not recommended. An aroma product is not recommended.
E/VAC	Ethylene-vinyl acetate	176 (80)	A small amount of alcohol and gasoline are acceptable for a short time. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended.
PA	Polyamide	176 (80)	Alcohol and gasoline are acceptable.	Battery acid (sulfuric acid) is not recommended.
PBT	Polybutylene terephthalate	320 (160)	Alcohol and gasoline are acceptable.	Solvent is not recommended.
PC	Polycarbonate plastics	248 (120)	A small amount of alcohol is acceptable for a short time.	Brake fluid, and wax and grease remover is not recommended.
PE	Polyethylene	176 (80)	Alcohol and gasoline are acceptable.	Solvent is not recommended.
PF	Phenol form aldehyde	176 (80)	A small amount of alcohol is acceptable for a short time extremely. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended.
PMMA	Polymethyl methacrylate	176 (80)	A small amount of alcohol is acceptable for a short time. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended. Wash remover off with water thoroughly.
POM	Polyoxymethylene polyacetal	212 (100)	Alcohol and gasoline are acceptable.	Solvent is not recommended.

(cont'd)

Plastic Parts Paint

Features of Plastic Material (cont'd)

Standard Symbol	Name	Heat Resistance Temperature °F (°C)	Solvent Resistance	Note
PP	Polypropylene	176 (80)	Alcohol and gasoline are acceptable.	Solvent is not recommended.
PPO (PPE)	Polyphenylene oxide	212 (100)	A small amount of alcohol is acceptable in a short time.	Soaking with an organic solvent such as gasoline and alcohol is not recommended.
PS	Polystyrene	140 (60)	A small amount of alcohol is acceptable in a short time.	Soaking with an organic solvent such as gasoline and alcohol is not recommended.
PUR	Polyurethane	176 (80)	A small amount of alcohol is acceptable for a short time (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended.
PVC	Polyvinyl chloride	176 (80)	A small amount of alcohol and gasoline are acceptable for a short time. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended.
SAN	Styrene acrylonitrile	176 (80)	Wiping alcohol off in a short time can be allowed.	Soaking with an organic solvent such as gasoline and alcohol is not recommended.
SMC	Sheet molding compound	356 (180)	Alcohol and gasoline are acceptable.	Solvent is not recommended.
TPE	Thermoplastic polyester elastomer	176 (80)	Alcohol is acceptable and wiping gasoline for a short time can be allowed. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended. Wash remover off with water thoroughly.
TPS	Thermoplastic styrene elastomer	176 (80)	A small amount of alcohol and gasoline are acceptable for a short time. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended. Wash remover off with water thoroughly.
TPO	Thermoplastic olefin / elastomer	176 (80)	Alcohol is acceptable and wiping gasoline for a short time can be allowed. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended. Wash remover off with water thoroughly.
TPU	Thermoplastic / urethane / elastomer	176 (80)	A small amount of alcohol and gasoline are acceptable for a short time. (Degreasing)	Soaking with an organic solvent such as gasoline and alcohol is not recommended. Wash remover off with water thoroughly.
UP	Polyester	230 (110)	Alcohol and gasoline are acceptable.	Alkali is not recommended.
ABS + PA6	Acrylonitrile butadiene styrene/ Polyamide	176 (80)	A small amount of alcohol is acceptable in a short time. (Degreasing)	An organic solvent such as gasoline is not recommended. An aroma product is not recommended.