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PLASTIC MATERIAL BODYWORK COMPONENT: DESCRIPTION

1. INTRODUCTION

Plastic forms an integral part of:

- the vehicle's interior trim,
- the vehicle's exterior trim,
- possibly the entire bodywork,
- electronic equipment,
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certain mechanical parts.

The recommended repair product has been tested in the RENAULT laboratories according to very precise specifications.

To ensure optimum safety and product quality, carefully observe:

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- the safety instructions,
- use recommended products,
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- the repair procedures.



Note:

Always refer to the product's technical sheet in addition to this Technical Note.

2. CLASSIFICATION OF PLASTICS

1- THERMOPLASTICS:

Thermoplastics are materials which, when exposed to heat, become malleable and soft. The advantage of this malleability is that they can be shaped. After cooling, they become hardened and keep their new shape.

If they are exposed to heat again, the above phenomenon reoccurs every time this operation is repeated.

1)THE MAIN THERMOPLASTICS:

Chemical description	ISO CODE 1043
Acrylonitrile, butadiene, styrene	A.B.S
Acrylate, Styrene, Acrylonitrile	A.S.A
Ethylene, propylene, diene, methylene	EPDM
Polycarbonate	PC
Polyamide	PA
Polypropylene	PP
Polyethylene	PE
Polyvinyl chloride	PVC
Polystyrene / Polyester	SB / PPO
Polyamide / Polyester	PA / PPO

2- THERMOSETTING PLASTICS

Thermosetting plastics are those which harden when exposed to heat and will burn under excessive heat.

1)THE MAIN THERMOSETTING PLASTICS:

Chemical description	ISO CODE 1043
Unsaturated Polyester	UP
Epoxy Resin	EP
Polyurethane Resin	PUR
Sheet Molding Compound	SMC
Resine Transfert Molding	RTM



Note:

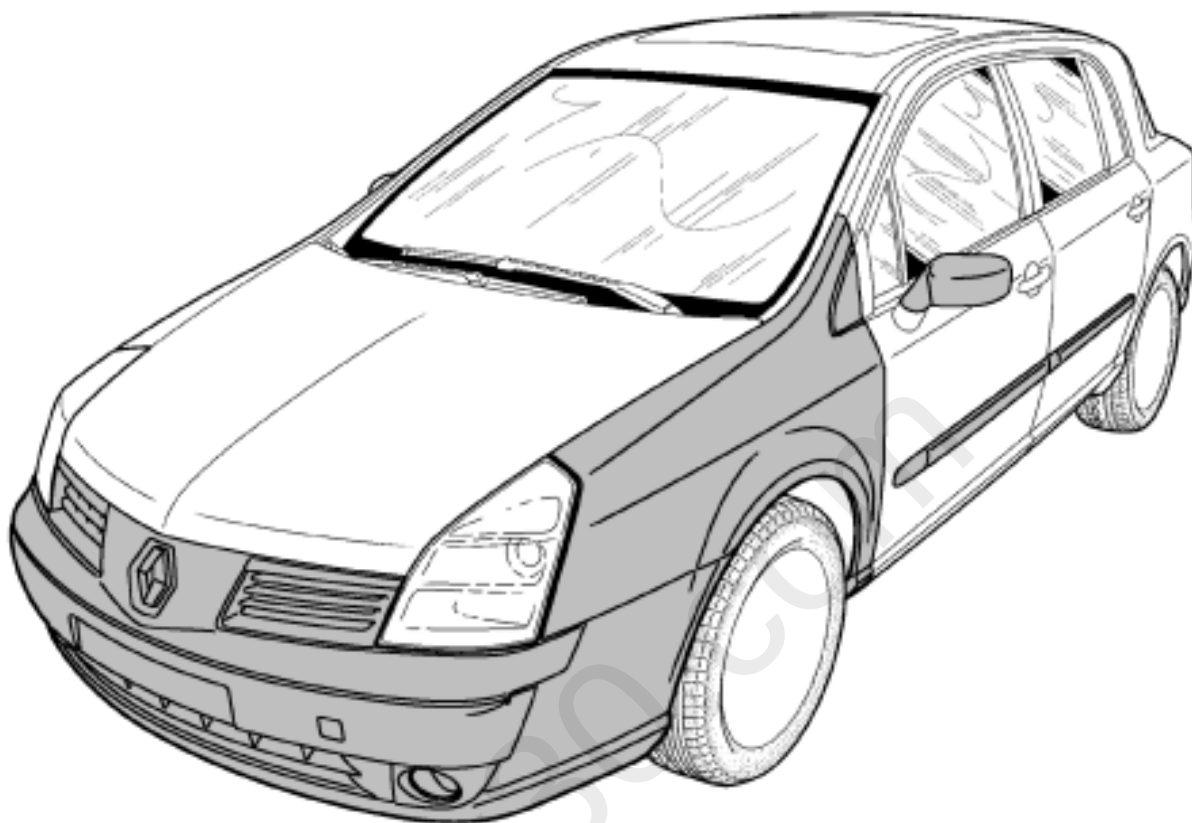
All plastics are categorised as either thermoplastics or thermosetting plastics.



Note:

Read the ISO code displayed inside the plastic part.

3. USING PLASTICS IN THE AUTOMOTIVE PRODUCTION INDUSTRY



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According to the area of use, parts are manufactured either:

as thermoplastics:

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- passenger compartment trim,
- dashboard,
- bumpers,