

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

EXTRUSION MOLDING ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

EDS-M-4310

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VERSION: 3

1. SCOPE

This specification defines general requirements for raw materials of extrusion molding acrylonitrile-butadiene-styrene copolymer applied to interior and exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication: > ABS <

Detailed contents shall conform to the indication method of synthetic resin materials for vehicles.(Spec. No: *GMW3116*)

3. APPLICATION

- 3.1. Group 1: Medium heat resistance raw materials which have heat deflection temperature of 90℃ min.
- 3.2. Group 2: Heat resistance raw materials which have heat deflection temperature of 95℃ min.
- 3.3. Group 3: High heat resistance raw materials which have heat deflection temperature of 100℃ min.
- 3.4. Group 4: Super heat resistance raw materials which have heat deflection temperature of 105℃ min.

[Notice to Use]

Parts which were molded using this specification material can be damaged as contacted by foam, rubber, seal, PVC products with plasticizer such as DOP, DOA, etc., because contacted parts can be chemically cracked by plasticizer's migration. So the use of product must be avoided in case of contact.

But, if the contact is necessary, surface treatment methods such as painting with clear coat, coated gold, etc must be used to prevent chemical crack by plasticizer's migration.

Phthalic Acid Ester plasticizer: DOP(Di-Octyl Phthalate), DBP(Di -Butyl Phthalate), etc

Aliphatic Acid Ester plasticizer: DOA(Di 2-ethyl- hexyl Adipate), etc

4. REQUIREMENTS

4.1. Mechanical properties

		Group 1	Group 2	Group 3	Group 4
		Type 1	Type 1	Type 1	Type 1
Rockwell hardness					
EDS-T-7517	R Scale	105	105	105	105
Tensile strength (Kg/cm ²)	Test piece (13×3mm)				
EDS-T-7511	Test speed (5mm/min)	450	450	450	450