

EDS

Engineering,
GM DAEWOO Auto & Technology.
Standards

ETHYLENE VINYL ACETATE

EDS-M-4171

ISSUED DATE: 1994. 09. 10

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VERSION: 3

1. SCOPE

This specification defines general requirements for raw materials of ethylene vinyl acetate applied to interior and exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication: > EVA <

Detailed contents shall conform to the indication method of synthetic resin materials for vehicles. (Spec. No: EDS-M-0101)

3. APPLICATION

Raw materials that have less rigidity and heat resistance than polyethylene but have good cold temperature impact strength, brittle point, and stress cracking resistance.

Ex) Energy absorber, mud guard

4. REQUIREMENTS

4.1. Mechanical properties

			Type 1
Rockwell hardness			
EDS-T-7517	R Scale		35
Tensile strength (kg/cm ²)	Test piece (6 × 3mm)		
EDS-T-7511	Test speed(50mm/min)		200
Elongation (%)	Test piece (6 × 3mm)		
EDS-T-7511	Test speed(50mm/min)		500
Flexural strength (kg/cm ²)	Test piece (127 × 12.7 × 6.4mm)		
EDS-T-7518	Test speed(28mm/min)		850
Flexural modulus (kg/cm ²)	Test piece (127 × 12.7 × 6.4mm)		
EDS-T-7510	Test speed(28mm/min)		-
Impact strength, IZOD	Test piece (63.5 × 12.7 × 3.2mm)		
(kg cm/cm)	Room temperature		NB
EDS-T-7514	-30 °C		NB

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