

EDS

Engineering,
GM DAEWOO Auto & Technology.
Standards

POLYSTYRENE

EDS-M-4306

ISSUED DATE: 1995. 01. 10

REVISED DATE: 2003. 05. 14

VERSION: 3

1. SCOPE

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

2. MATERIAL INDICATION

Material indication: > PS <

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

3. APPLICATION

3.1. Group 1: General use raw material excellent dielectrical property and molding ability.

3.2. Group 2: Heat resistance raw materials having excellent dielectrical property and molding ability

3.3. Group 3: Impact modified raw materials having excellent dielectrical property and molding ability.

3.4. Group 4: Raw materials of heat resistance and impact resistance having dielectrical property and molding ability.

4. REQUIREMENTS

4.1. Mechanical properties

		Group 3	Group 4
		Type 1	Type 1
Rockwell hardness			
EDS-T-7517	R Scale	45	65
Tensile strength(kg/cm ²)	Test piece (13×3mm)		
EDS-T-7511	Test speed (50mm/min)	240	380
Elongation(%)	Test piece (13×3mm)		
EDS-T-7511	Test speed (50mm/min)	40	20
Flexural strength(kg/cm ²)	Test piece (127×12.7×6.4mm)		
EDS-T-7518	Test speed (28mm/min)	340	600