

EDS

Engineering,
GM DAEWOO Auto & Technology.
Standards

POLYPROPYLENE/POLYETHYLENE BLEND

EDS-M-4601

ISSUED DATE: 1994. 09. 10

REVISED DATE: 2003. 05. 22

VERSION: 3

1. SCOPE

This specification defines general requirements for raw materials of polypropylene/polyethylene blend applied to interior or exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication: > PP+PE <

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

3. APPLICATION

Polypropylene and polyethylene blend raw materials for blow molding that take advantage of blow molding workability of polyethylene and rigidity of polypropylene.

Ex) Armrest

4. REQUIREMENTS

4.1. Mechanical properties

		Type 1
Rockwell hardness		
EDS-T-7517	R Scale	80
Tensile strength (kg/cm ²)	Test piece (13×3mm)	
EDS-T-7511	Test speed (50mm/min)	280
Elongation (%)	Test piece (13×3mm)	
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)	-
Flexural modulus (kg/cm ²)	Test piece (127×12.7×6.4mm)	
EDS-T-7510	Test speed (28mm/min)	13,000
Impact strength, IZOD	Test piece (63.5×12.7×3.2mm)	
(kg cm/cm)	Room temperature	NB
EDS-T-7514	-30°C	3.5