

EDS

Engineering,
GM DAEWOO Auto & Technology.
Standards

15% GLASS FIBER REINFORCED POLYBUTYLENE TEREPHTHALATE

EDS-M-5522

ISSUED DATE: 1994. 09. 10

REVISED DATE: 2003. 04. 25

VERSION: 4

1. SCOPE

This specification defines general requirements for raw materials of 15% Glass Fiber Reinforced Polybutylene Terephthalate applied to interior and exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication: > PBT-GF15 <

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 : Glass fiber reinforced raw materials which have excellent heat resistance and dimensional stability and use general PBT as the base.

3.2. Group 2 : Glass fiber reinforced raw materials which have excellent heat resistance and dimensional stability and use impact resistance PBT as the base.

Ex) Antenna Housing, Air Flow Sensor Cover

4. REQUIREMENTS

4.1. Mechanical properties

		Group 1	Group 2
		Type 1	Type 1
Rockwell hardness			
EDS-T-7517	R Scale	115	115
Tensile strength (kg/cm ²)	Test piece (13×3mm)		
EDS-T-7511	Test speed (50mm/min)	1,000	870
Elongation (%)	Test piece (13×3mm)		
EDS-T-7511	Test speed (50mm/min)	10	10
Flexural strength (kg/cm ²)	Test piece (127×12.7×6.4mm)		
EDS-T-7518	Test speed (28mm/min)	1,500	1,100
Flexural modulus (kg/cm ²)	Test piece (127×12.7×6.4mm)		
EDS-T-7510	Test speed (28mm/min)	50,500	40,000