

EDS

Engineering,
GM DAEWOO Auto & Technology.
Standards

30% GLASS FIBER REINFORCED POLYBUTYLENE TEREPHTHALATE/ POLYETHYLENE TEREPHTHALATE

EDS-M-5571

ISSUED DATE: 2004. 07. 07

REVISED DATE: -

VERSION: 1

1. SCOPE

This specification defines general requirements for raw materials of 30% Glass Fiber Reinforced Polybutylene Terephthalate/Polyethylene Terephthalate, applied to interior and exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication: > PBT/PET-GF30 <

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

3. APPLICATION

Glass fiber reinforced raw materials, which have excellent heat resistance and dimensional stability as the PBT/PET alloy base, and use to the parts, which are required such as high rigidity, heat resistance and surface gloss.

Ex) Ex) Rear Wiper Arm

4. REQUIREMENTS

4.1. Mechanical properties

		Type 1
Rockwell hardness		
EDS-T-7517	R Scale	118
Tensile strength (kg/cm ²)	Test piece (13×3mm)	
EDS-T-7511	Test speed (5mm/min)	1,200
Elongation (%)	Test piece (13×3mm)	
EDS-T-7511	Test speed (5mm/min)	3
Flexural strength (kg/cm ²)	Test piece (127×12.7×6.4mm)	
EDS-T-7518	Test speed (2.8mm/min)	1,600
Flexural modulus (kg/cm ²)	Test piece (127×12.7×6.4mm)	
EDS-T-7510	Test speed (2.8mm/min)	75,000
Impact strength, IZOD	Test piece (63.5×12.7×3.2mm)	
(kg cm/cm)	Room temperature	6
EDS-T-7514	-30°C	-