

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

20% GLASS FIBER REINFORCED POLYPROPYLENE

EDS-M-4251

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VERSION: 8

1. SCOPE

This specification defines general requirements for raw materials of 20% glass fiber reinforced polypropylene applied to interior and exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication: >PP-GF20<

Detailed contents shall conform to the indication method of synthetic resin materials for vehicles (Spec. No: GMW3116).

3. APPLICATION

3.1. Group 1: Glass fiber reinforced raw materials that have especially excellent heat resistance and dimensional stability and use high crystalline PP as the base.

3.2. Group 2: Glass fiber reinforced raw materials that have especially excellent heat resistance and dimensional stability and use PP-copolymer as the base.

3.3. Group 3: Glass fiber reinforced raw materials which have especially excellent heat resistance and dimensional stability and use PP-homopolymer as the base.

Ex) Instrument panel core

3.4. Group 3 Type 1 R(Recyclate): Recyclate is the recompounded which is made by compounding with virgin resins and recycled content such as post-consumer and/or postindustrial materials. Virgin material may be substituted for this recyclate provided parts made from virgin material have been approved by the Production Part Approval Process (PPAP). Recyclate material is indicated by code letter "R" in the virgin material after material specification number (suffix).

Cf. Recyclate should not be applied to appearance parts for interior and exterior except appropriate part performance validation and specific validation, and basically used as for Black MIC (Molded in Color) parts.

4. REQUIREMENTS

4.1. Mechanical properties

		Group 2	Group 3
		Type 1	Type 1
Rockwell hardness			
EDS-T-7517	R Scale	100	105