

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

PHENYL MALEIMIDE ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

EDS-M-4311

ISSUED DATE: 1996. 08. 16

REVISED DATE: 2008. 03. 26

VERSION: 6

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1. PURPOSE

This specification defines general requirements for raw materials of PMI-ABS:Phenylmaleimide Acrylonitrile Butadiene Styrene applied to interior and exterior parts of a vehicle.

2. SCOPE

This specification shall be applied to raw materials of PMI-ABS:Phenylmaleimide Acrylonitrile Butadiene Styrene used in all passenger cars by GM DAEWOO Auto & Technology Company(hereinafter referred to as the "GMDAT").

3. DEFINITION OF TERMS

3.1. PMI-ABS types: As Acrylonitrile Butadiene Styrene of Phenylmaleimide group, this ABS has been improved in aspect of heat resistance by adding and replacing of Phenylmaleimide in previous α -Methyl Styrene.

4. MATERIAL INDICATION

Material indication: > ABS <

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

5. APPLICATION

5.1. Group 1: Ultrahigh heat resistance raw materials which have heat deflection temperature of 120°C or higher.

5.1.1. Type 1: Raw materials which the heat resistance has especially been improved by adding of PMI heat-resistance material

Ex) Door Garnish, Speaker Grille

5.1.2. Type 2: Raw materials which the heat resistance has especially been improved by adding of PMI heat-resistance material & the toughness and mechanical properties have especially been improved by blending a small quantity of Polycarbonate.

Ex) Back Panel-Deposit Box

5.2. Group 2: Super heat and impact resistance raw materials which have heat deflection temperature of 110°C or higher.

5.2.1. Type 1: Raw materials which the heat and impact resistance have been improved by adding of PMI heat-resistance material

Ex) Defroster Grille

5.2.2. Type 2: Raw materials which the heat resistance has been improved by adding of PMI heat-resistance material and the impact-resistance properties has been improved by blending a small quantity of Polycarbonate.

Ex) Cup holder, Defroster Grille

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