

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

POLYCARBONATE

EDS-M-5301

ISSUED DATE: 1995. 01. 10

REVISED DATE: 2007. 05. 25

VERSION: 6

1. SCOPE

This specification defines general requirements for raw materials of polycarbonate applied to interior and exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication: > PC <

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

3. APPLICATION

3.1. Group 1

3.1.1. Type 1 : High viscosity raw materials which have high impact resistance, excellent heat resistance, high transparence and are suitable for the molding of thick products.

3.1.2. Type 2 : Medium viscosity raw materials which have high impact resistance, excellent heat resistance, high transparence and are suitable for the molding of thick products.

3.1.3. Type 3 : Low viscosity raw materials which have high impact resistance, excellent heat resistance, high transparence and are suitable for the molding of thin products.

3.2. Group 2

3.2.1. Type 1 : Raw materials which are suitable for molding of lens and have high impact resistance, scratch resistance, and high transparence.

Ex) Head lamp, License lamp

3.3. Group 3

3.3.1. Type 1 : Raw materials which have high impact resistance, excellent heat resistance, high transparence and especially good weather resistance.

4. REQUIREMENTS

4.1. Mechanical properties

		Group 1	Group 1	Group 1	Group 2	Group 3
		Type 1	Type 2	Type 3	Type 1	Type 1
Rockwell hardness						
EDS-T-7517	R Scale	118	118	118	118	118