

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

POLYPROPYLENE HOMOPOLYMER

EDS-M-4211

ISSUED DATE: 1994. 09. 10

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VERSION: 11



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1. PURPOSE

This specification defines general requirements for raw materials of polypropylene homopolymer interior and exterior parts of a vehicle.

2. SCOPE

This specification shall be applied to raw materials of polypropylene homopolymer used in all passenger cars by GM DAEWOO Auto & Technology Company (hereinafter referred to as the "GMDAT").

3. MATERIAL INDICATION

Material indication: > PP <

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

4. APPLICATION

4.1. Group 1: Raw materials for injection molding whose melt flow index is 0.2~2, which have high rigidity and heat resistance but low impact strength

Ex) Sunvisor

4.2. Group 2: Raw materials for injection molding whose melt flow index is 1~5, which have high rigidity and heat resistance but low impact strength

4.3. Group 3: Raw materials for injection molding whose melt flow index is 4~15, which have high rigidity and heat resistance but low impact strength

Ex) Reservoir tank, cap pivot

4.4. Group 4: Raw materials whose melt flow index is 15~30, which have high rigidity and heat resistance but low impact strength for injection molding of large, complex, and thin products.

5. REQUIREMENTS

5.1. Mechanical properties

		Group 1	Group 3	Group 4
		Type 1	Type 1	Type 1
Rockwell hardness				
EDS-T-7517	R Scale	100	100	105
Tensile strength (kg/cm ²)	Test piece (13×3mm)			
EDS-T-7511	Test speed (50mm/min)	350	350	350

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