

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

HIGH CRYSTALLINE POLYPROPYLENE

EDS-M-4241

ISSUED DATE: 1999. 01. 09

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VERSION: 5

1. SCOPE

This specification specifies the general requirements of the high crystalline polypropylene used for vehicle interior and exterior parts.

2. MATERIAL

Material indication : >PP<

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

3. APPLICATION

3.1. Type 1 : Material having high strength and impact resistance which especially uses as basis high crystalline polypropylene of II(Isotactic Index) 98% or higher for improved scratch resistance

EX) Pillar Trim, Rocker panel, Cover Back Panel, Glove Box Housing

4. REQUIREMENTS

4.1. Mechanical properties

		Type 1
Rockwell hardness		
EDS-T-7517	R Scale	100
Tensile strength (kg/cm ²)	Test piece (13×3mm)	
EDS-T-7511	Test speed (50mm/min)	300
Elongation (%)	Test piece (13×3mm)	
EDS-T-7511	Test speed (50mm/min)	50
Flexural strength (kg/cm ²)	Test piece (127×12.7×6.4mm)	
EDS-T-7518	Test speed (28mm/min)	500
Flexural modulus (kg/cm ²)	Test piece (127×12.7×6.4mm)	
EDS-T-7510	Test speed (28mm/min)	18,000
Impact strength, IZOD	Test piece (63.5×12.7×3.2mm)	
(kg cm/cm)	Room temperature	7
EDS-T-7514	-30°C	2