

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

20% TALC FILLED POLYPROPYLENE/EPDM RUBBER BLEND

EDS-M-4634

ISSUED DATE: 1994. 09. 10

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VERSION: 16

1. SCOPE

This specification defines general requirements for raw materials of 20% talc filled polypropylene/EPDM rubber blend applied to interior and exterior parts of a vehicle.

2. MATERIAL INDICATION

Material indication : > PP+EPDM-TD20 <

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

3. APPLICATION

Raw materials that have excellent impact resistance as the EPDM rubber blend and heat resistance, stiffness and dimensional stability as the talc filling.

Ex) Instrument panel

3.1. Type 6 : Raw Material, for hard type seamless PAB, which has excellent impact resistance under low temperature.

4. REQUIREMENTS

4.1. Mechanical properties

		Type 1	Type 2	Type 3	Type 4	Type 5	Type 6
Rockwell hardness							
EDS-T-7517	R Scale	-	75	85	75	-	-
Tensile strength (kg/cm ²)							
EDS-T-7511	Test piece (13×3mm)						
	Test speed (50mm/min)	210	250	250	210	200	190
Elongation (%)							
EDS-T-7511	Test piece (13×3mm)						
	Test speed (50mm/min)	100	50	50	100	100	300
Flexural strength (kg/cm ²)							
EDS-T-7518	Test piece (127×12.7×6.4mm)						
	Test speed (28mm/min)	350	350	430	350	300	300
Flexural modulus (kg/cm ²)							
EDS-T-7510	Test piece (127×12.7×6.4mm)						
	Test speed (28mm/min)	25,000	23,000	25,000	21,000	21,000	18,000
Impact strength, IZOD							
(kg cm/cm)	Test piece (63.5×12.7×3.2mm)						
	Room temperature	40	15	10	30	40	70
EDS-T-7514	-30℃	3	3	3	3	3	7