Recycle

MILASTOMER™
Thermoplastic Vulcanizates

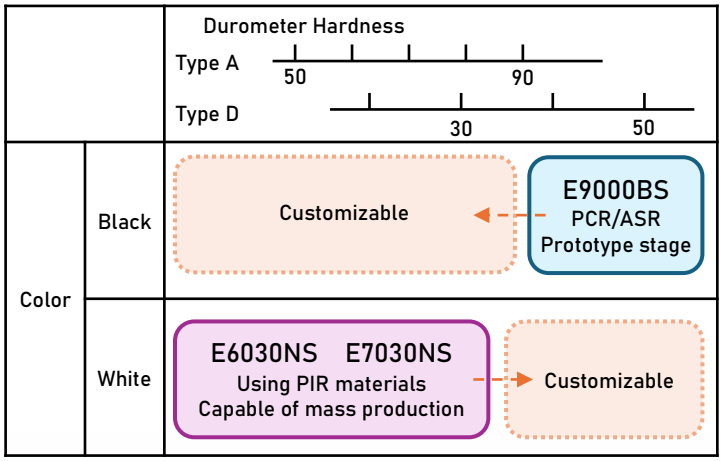
Application
Automotive interior skin for instrumental panel, door trim, Armrest and exterior part for mud guard etc.

Target of Development	Contribute to carbon-neutral society through the utilization of recycled materials
Stage	1. Planning Concept 2. Marketing Prototype 3. Completed Development 4. On sale

Outline Features

A. Milastomer™ containing PIR/PCR/ASR

- Utilizing Recycled Materials(PIR/PCR/ASR) to Reduce CO_2 Emissions and Comply with ELV Regulations
- It is possible to design (color, hardness, moldability…etc.) according to the application.



Physical Properties of E9000BS

	E9000BS
	Eco-friendly Grade
PCR content[%]	40
MFR[g/10min] (230℃, 2.16kgf)	6
Hardness D (after 5s)	37
M100[MPa] TB[MPa]/EB[%]	6.4 9.2/530

*Figures shown here are representative values, not manufacture's specification.

B. Milastomer™ containing PCR Material for interior skin

- Development of PCR material for interior skin is in progress

	8030NEM	Prototype A	Prototype B	8045NEM	Prototype C
	Commercial Grade	Eco-friendly Grade	Eco-friendly Grade	Commercial Grade	Eco-friendly Grade
PCR content[%]	0	27	24	0	28
MFR[g/10min] (230℃, 10kgf)	6.9	9.5	17	29	29
Hardness A (Instantaneous)	86	87	88	86	86
M100[MPa] TB[MPa]/EB[%]	4.1 8.1/560	4.4 6.2/440	4.4 8.8/610	4.1 5.7/600	4.2 7.8/610

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Application example


Instrument panel skin


Door trim skin

Issue & Solution
Environmental friendliness increased

Inquiry by form elastomers@mcie.de

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