## **Tech Document**

## Automotive Industry (OEM) Material Physical Property Test Specifications for Foam Molded from ARPRO® Expanded Polypropylene (EPP)

OEM	Specification	JSP Materials
General Motors	GMP-PP-068	EPP; Low and Mid Density
	GMP-PP-092	EPP; High Density
	GMW16214	EPP; Various Densities
	GMW15063	EPP, EPE; Low Densities
	GM7400M (Various)	EPP; Various Densities
	[GM_Holden] HN 2324	EPP; Various Densities
	[GM-Opel] TM94400	EPP; Various Densities
	[GM Korea] EDS-M-6439	EPP; Various Densities
	[GM Korea] EDS-M-6660	EPP; Various Densities
	GMW3059	EPP, xEPE; Various Densities
	GM9685P	EPP; Various Densities
	GMN8351	EPP, xEPE; Various Densities
Daimler-Chrysler Daimler-Benz	MS-DB50; Type A, B, C, D, E	EPP, Low and Mid Densities
	DBL 5460	EPP; Various Densities
	DBL 5461	EPP; Various Densities
BMW	BMWGS93016	EPP; Various Densities
	BMWGS93082	EPP; Various Densities
	BMWGS97038	EPP; Various Densities
Ford	WSB-M4D815-A1/A2/A3/A4/A5/A6	EPP, Low and Mid Densities
	WSS-M99P29-A	EPP; Low Densities
Toyota	TSM5725G; Type 2A, 2B, 3, 4 & 5	EPP, Low and Mid Densities
	TSM5743G; Type 1, 2, 3	EPP, PEPP; Low Densities
	TSM0502G & TSM0503G	EPP; Various Densities
	TSM0500G & TSM0505G	EPP; Various Densities
	TSZ0001G	EPP; Various Densities
Nissan	NES M0086	EPP; Various Densities
	NES M0094	EPP; Various Densities
	NES M0131	EPP; Various Densities
	NES M0132	EPP; Various Densities
	NES M0133	EPP; Various Densities
	NES M0301	EPP; Various Densities
Mazda	MES PW PT 001G	EPP; Low and Mid Density
Mitsubishi	ES-X60317; Type A, B, C & D	EPP; Low and Mid Density
	ES-X60210	EPP; Various Densities
Subaru/Isuzu (Fuji Heavy Industries)	TS346-5-56	EPP: Low and Mid Density
Honda	HES D2500	EPP; Various Densities
	HES-C206	EPP; Various Densities
	7117Z-SDA-P010-M1	EPP; Various Densities
Hyundai	MS213-42	EPP; Low and Mid Densities
	MS201-02	EPP; Various Densities
	MS300-34	EPP; Various Densities
Volkswagen AG	VW 501 80	EPP; Various Densities
	TL-VW 1010	EPP; Various Densities
	VW 440 45	EPP; Various Densities

Note: The above test specifications reference a variety of test methods, including, but not limited to; ASTM, DIN, ISO, DIN, SAE, JIS, FMVSS, UL, as well as a variety of custom test methods specified by the specific customer.

ARPLANK® SALES

Expanded bead foam packaging materials