



Auto motive

ADHESIVES

Magnum Tapes & Films® is a state-of-the-art manufacturer of high-performance adhesive tape systems for automotive applications. Our adhesives are used for sound dampening, insulating, cushioning/padding, and sealing. Magnum adhesives enhance capability and improve the overall performance of your product designs.



Automotive Testing Summaries

Testing performed by a nationally recognized testing laboratory. Test reports available upon request.

TEST SUBSTRATE

(Liner side of tape applied to this material during test)

General Motors TEST SPECIFICATION		TEST FOAM (Air/Unwind side of tape applied to this material during test)	304 Stainless Steel	Unfilled Nylon 6/6	30% glass Filled Nylon 6/6	ABS	High Impact ABS	HDPE	TPO	Polypropylene	20% Taic Filled Polypropylene	40% Taic Filled Polypropylene	30% Short Glass Fiber Polypropylene
D-935	HEAT Testing: GMW 16443 Type 1	EPDM Foam	✓		✓		✓	✓	✓	✓	✓	✓	✓
		400 GSM PET Felt	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
		PVN Foam	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
		Open Cell Polyurethane Foam		✓	✓		✓	✓	✓		✓	✓	✓
		Black Volara CLPE Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A-624	HUMIDITY Testing: GMW 16443 Type 1	EPDM Foam	✓		✓		✓	✓		✓			
		400 GSM PET Felt	✓	✓		✓	✓	✓		✓			
		PVN Foam	✓			✓	✓		✓		✓		
		Open Cell Polyurethane Foam	✓		✓		✓	✓		✓			
		Black Volara CLPE Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D-973	HEAT Testing: GMW 16443 Type 1	EPDM Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		400 GSM PET Felt	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		PVN Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Open Cell Polyurethane Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Black Volara CLPE Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A-675	HUMIDITY Testing: GMW 16443 Type 1	EPDM Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		400 GSM PET Felt	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		PVN Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Open Cell Polyurethane Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Black Volara CLPE Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Toyota TSK6712G TEST SPECIFICATION		CONDITIONS	SUBSTRATE BONDED	LT REQUIREMENT	PASS/FAIL	
D-956	1.8 mil Rubber (ADHA145) with 2 mil PET backing	Adhesive Peel Strength (N/25 mm)	Initial	Stainless Steel	min 5	PASS
		Adhesive Peel Strength (N/25 mm)	Normal	Stainless Steel	min 6	PASS
		Adhesive Durability (N/25mm)	After heat aging adhesive peel strength	Stainless Steel	min 6	PASS
		Adhesive Durability (N/25mm)	After humidity aging adhesive peel strength	Stainless Steel	min 6	PASS
		Adhesive Peel Strength (N/25 mm)	After thermal cycle test adhesive peel strength	Stainless Steel	min 6	PASS
		Adhesive Peel Strength (N/25 mm)	High temperature adhesive peel strength	Stainless Steel	min 2	PASS
A-675	2.2 mil Acrylic (ADHA172) with 2 mil PET backing	Adhesive Peel Strength (N/25 mm)	Initial	Stainless Steel	min 5	PASS
		Adhesive Peel Strength (N/25 mm)	Normal	Stainless Steel	min 6	PASS
		Adhesive Durability (N/25mm)	After heat aging adhesive peel strength	Stainless Steel	min 6	PASS
		Adhesive Durability (N/25mm)	After humidity aging adhesive peel strength	Stainless Steel	min 6	PASS
		Adhesive Peel Strength (N/25 mm)	After thermal cycle test adhesive peel strength	Stainless Steel	min 6	PASS
		Adhesive Peel Strength (N/25 mm)	High temperature adhesive peel strength	Stainless Steel	min 2	PASS

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