



Automotive

TAPES

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.

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Automotive Testing Summaries

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

General Motors TEST SPECIFICATION		TEST FOAM (Air/Unwind side of tape applied to this material during test)	TEST SUBSTRATE (Liner 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% Talc Filled Polypropylene	40% Talc 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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HUMIDITY Testing: GMW 16443 Type 1	EPDM Foam	✓		✓		✓	✓	✓	✓	✓	✓	
		400 GSM PET Felt	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
		PVN Foam	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
		Open Cell Polyurethane Foam		✓	✓		✓	✓	✓	✓	✓	✓	✓
		Black Volara CLPE Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A-624	HEAT Testing: GMW 16443 Type 1	EPDM Foam	✓			✓		✓		✓			
		400 GSM PET Felt	✓			✓		✓		✓			
		PVN Foam	✓			✓		✓		✓			
		Open Cell Polyurethane Foam	✓			✓		✓		✓			
		Black Volara CLPE Foam	✓			✓		✓		✓			
	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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HUMIDITY Testing: GMW 16443 Type 1	EPDM Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		400 GSM PET Felt	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		PVN Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Open Cell Polyurethane Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Black Volara CLPE Foam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Ford TEST SPECIFICATION		TEST SUBSTRATE (Liner side of tape applied to this material during test)		
		ABS	TPO	Talc Filled Polypropylene
D-956	WSS-M99P48-A3	✓	✓	✓
	WSS-M99P48-B3			✓

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