



Product Description

ISODAMP™ C-8012 is a highly damped thermoplastic elastomer (TPE) available in an ultra-thin sheet. ISODAMP C-8012 material in roll format provides the ability to insert die-cut damping pads and gaskets into minimal gap spaces while remaining cost efficient.

TYPICAL PROPERTIES	ISODAMP C-8012
Description	TPE Solid Thermoplastic
Hardness ASTM D2240 Type A Durometer 23°C (73°F) 15 sec impact	40
Compression Load Deflection, kPa (psi) ASTM D575 at 0.51 cm/min (0.2 in/min) 10% kPa (psi) 20% kPa (psi) 30% kPa (psi)	324 (47) 627 (91) 958 (139)
Compression Set, % ASTM D395 Method B 22 hr at 23°C (73°F) 22 hr at 40°C (104°F) 22 hr at 70°C (158°F)	13 46 100
Tensile Strength, kPa (psi) ASTM D412	3309 (480)
Tear Strength, kN/m (lbf/in) ASTM D624	18 (100)
Temperature Range, °C (°F) Peak Damping Performance Temperature Range @10Hz Temperature Range @100Hz Temperature Range @1000Hz	-15 to 72 -2 to 95 9 to 131
Rebound, Internal, % ASTM D2632	13
ROHS Compliant	Yes
Halogen Free BS EN14582:2007	Yes
REACH Compliant, Nov. 2017	Yes

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