

GRIP™

Anti-Vibration

Increase focus. Maximize performance.

Free your mind and master the task at hand. D3O® Grip™ mitigates vibration using the world’s most advanced vibration damping material available to increase focus, minimize fatigue, and maximize performance.

Material Features

- 2x more damping than traditional grip materials
- Reduces hand fatigue and ulner nerve neuropathy
- Increases control and handling while remaining soft and grippy
- Provides superior shock absorption
- Versatile application



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Material Properties

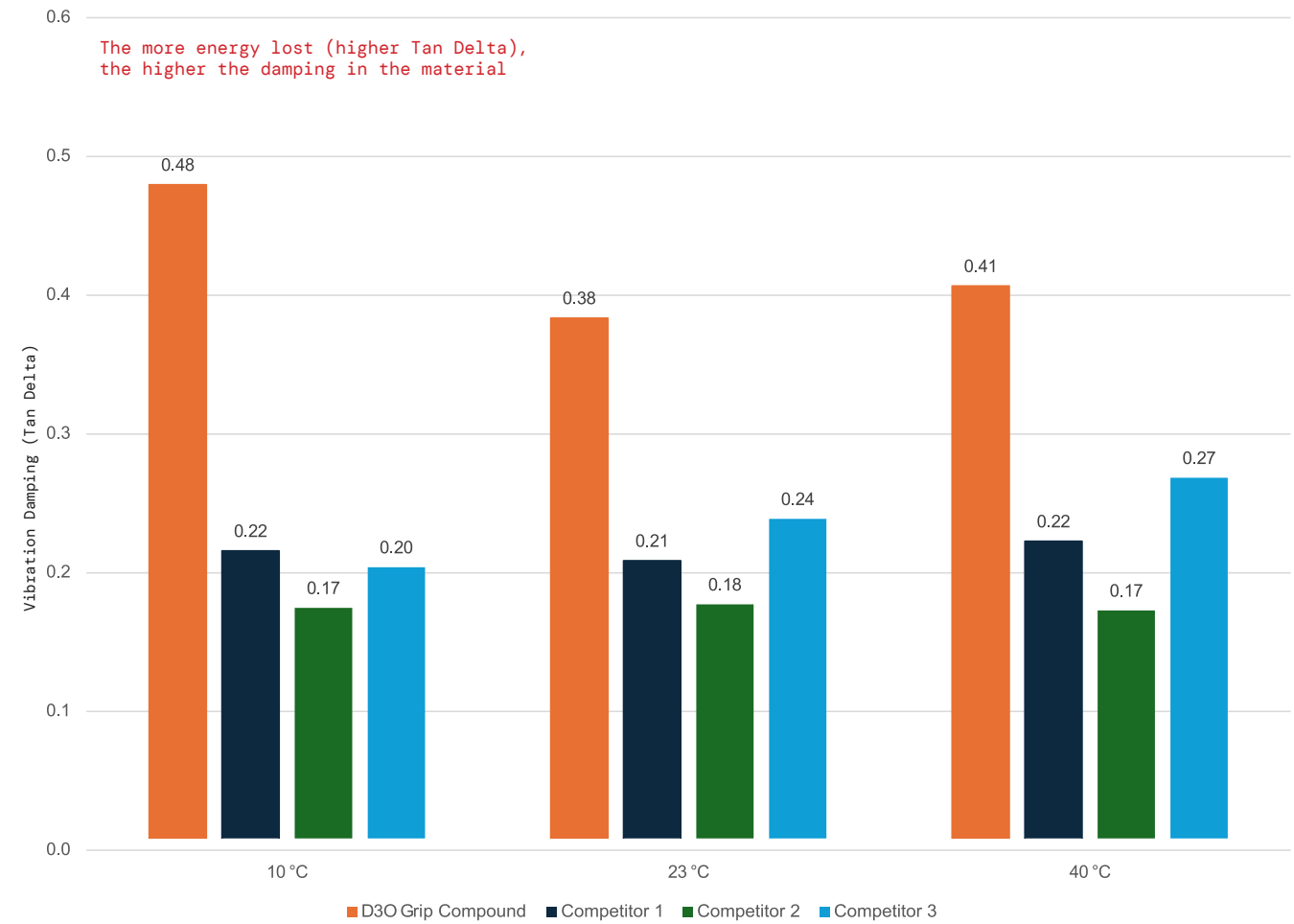
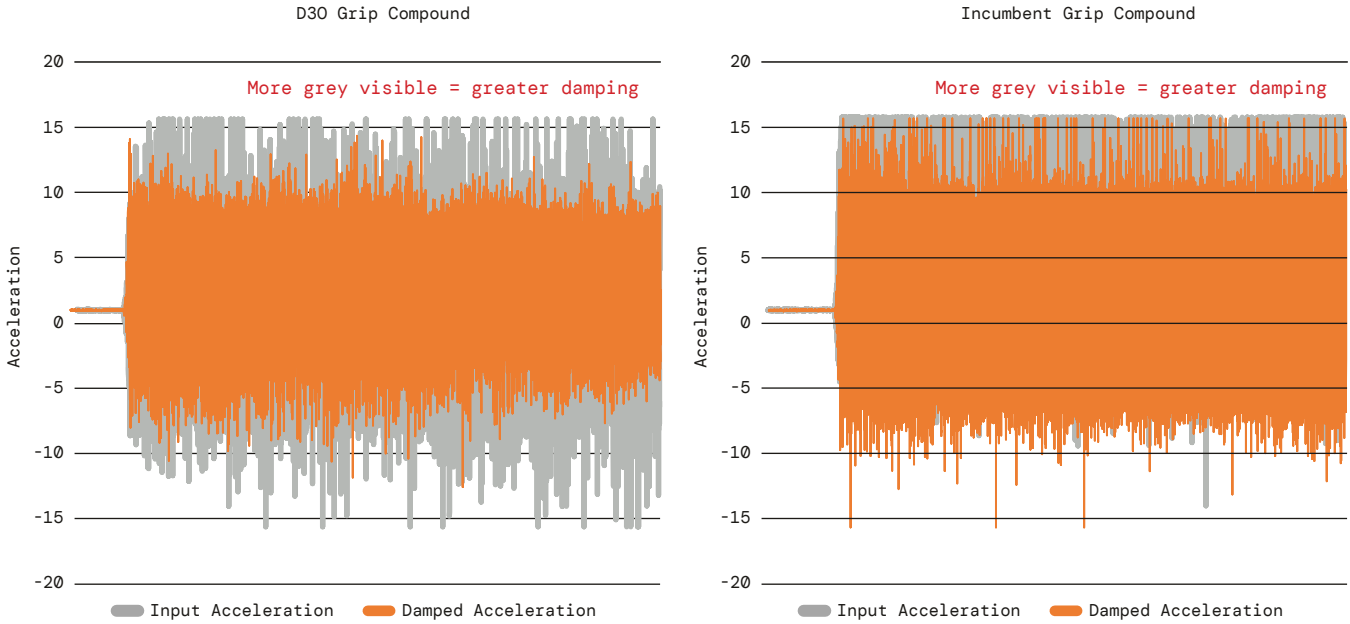
	Method Reference	Test Condition	D30® Grip™
Appearance	N/A	N/A	White Pellet
Hardness (Shore A)	ASTM D2240 - 05 (2010)	3s	18
Density (g/cm³)	ISO 845:2009	N/A	0.90
Tensile Strength at Break (MPa)	ISO 37:2017 Type 1	500 mm / min	1.62
Elongation at Break (%)	ISO 37:2017 Type 1	500 mm / min	1400
Tear Strength (N/mm)	ASTM D624 Type T	50 mm / min	2.68
Flexural Modulus (kPa)	DTS052	N/A	1.25
MFR (g/10 min)	ISO 1133	190°C, 3.2 kg	7.06

Injection Moulding Conditions

Drying Conditions*	Temperature (°C)	60
	Time (h)	2
	Equipment	Dehumidified drying oven (vacuum)
Moulding Conditions	Screw Speed	Medium
	Injection Speed	Medium - Low
	Injection Pressure	Medium - Low
	Holding Pressure	High
	Back Pressure	Medium - Low
	Feeder Temperature (°C)	180-190
	Zone 1 Temperature (°C)	190-200
	Zone 2 Temperature (°C)	190-200
	Nozzle Temperature (°C)	200-210
	Mould Temperature (°C)	40



*Only if required if surface moisture forms
Results at 30Hz



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