

GRIP™

Anti-Vibration

Increase focus. Maximize performance.

Free your mind and master the task at hand. D30® 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



©2024 Design Blue Limited. All rights reserved.

Values shown represent typical product characteristics. For full details including material properties and product tolerances, please request SOQ document from D30 representative. The information provided is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. In accordance with the Company's policy of continuous improvement, D30 reserves the right to apply such improvements to its products and materials without notice. This data sheet shall not be reproduced or amended without the written consent of Design Blue Limited.

GRIP™

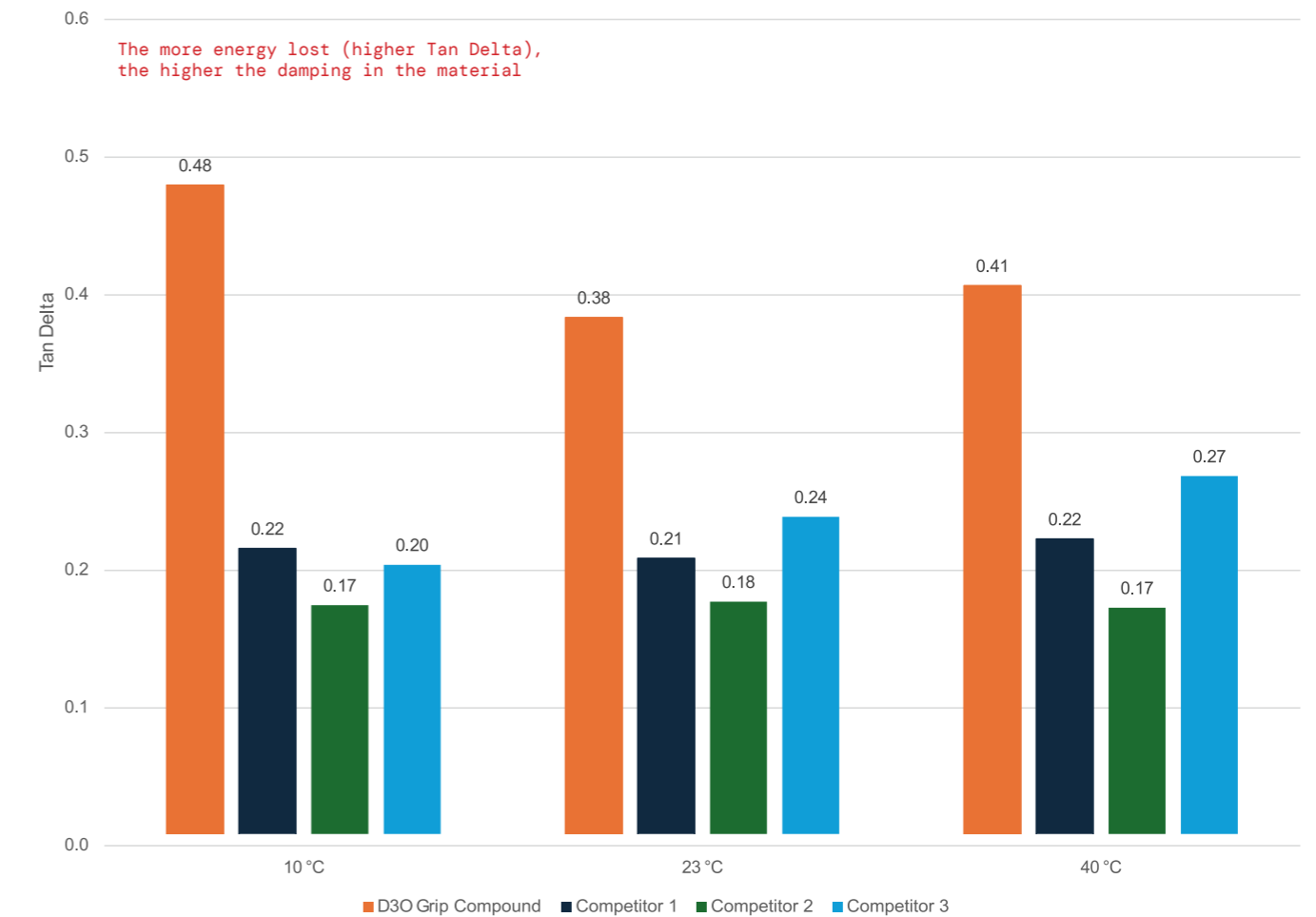
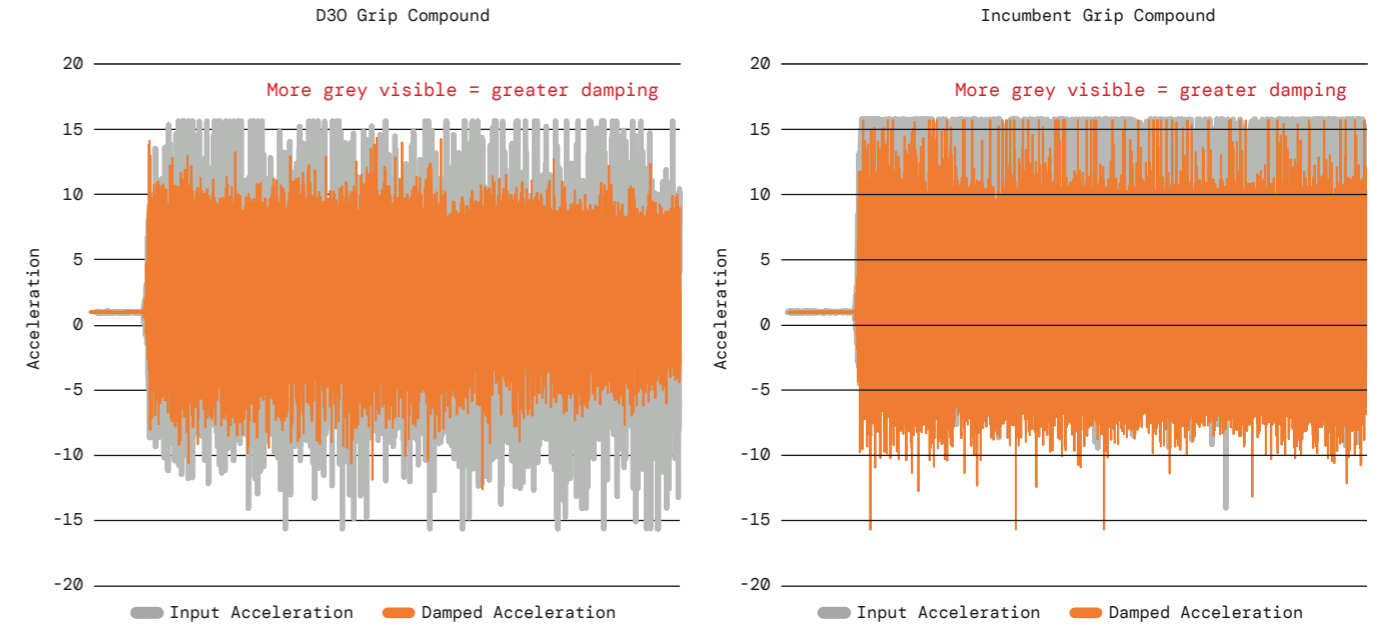
Anti-Vibration

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

©2024 Design Blue Limited. All rights reserved.
Values shown represent typical product characteristics. For full details including material properties and product tolerances, please request SOQ document from D30 representative. The information provided is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. In accordance with the Company's policy of continuous improvement, D30 reserves the right to apply such improvements to its products and materials without notice. This data sheet shall not be reproduced or amended without the written consent of Design Blue Limited.