

# Material Selection Guide

Recommend Application	Product Family	Grade Name	Material	Thickness (mm)	25% CLD (Mpa)	Density (kg/m3)	Flammability	Features	
Cell Compression Pad	<b>PORON</b> <sup>®</sup>	RX-32	Polyurethane	2.0 - 8.0	0.061	320	UL 94 V-0	V-0 FR rating	
		TR-24		2.0 - 10.0	0.035	240	UL 94 HBF FMVSS No.302	Soft	Heat resistance
		TR-32		1.0 - 5.0	0.066	320	FMVSS No.302 ≥2.0mm	Medium	
		XRS-48*		5.0	0.153	480	-	Low temp. dependency	
		XSA-20PR*		1.0 - 2.9	0.025	200	UL 94 HBF equivalent	Self-stick tacky surface	
	<b>NanNex</b> <sup>®</sup>	TL3503	Silicone	1.0 - 6.0	0.036	260	UL 94 V-0	High temp. heat resistance	
Sealing Gasket	<b>PORON</b> <sup>®</sup>	ATR-24PR	Polyurethane	2.0 - 5.0	0.060	240	FMVSS No.302 ≥4.0mm	Soft	Dust / Air tightness
		ATR-32PR		1.0 - 5.0	0.100	320	FMVSS No.302 ≥2.0mm	Medium	
	<b>GOMSPOR</b> <sup>®</sup>	TT-4106	Silicone	1.5 - 25.0	0.046	280	FMVSS No.302 ≥1.5mm	Sealing, mechanical strength	
	<b>NanNex</b> <sup>®</sup>	TL7404*		1.0 - 6.0	0.089	400	UL 94 V-0 equivalent FMVSS No.302	IPX8 water seal rating	
Spacer / Damper Pad	<b>CELLDAMPER</b> <sup>®</sup>	BF-150	Polyurethane	0.5 - 50.0	0.034	150	FMVSS No.302	Soft ↑ ↓ Firm	Anti-vibration, Low compression set
		BF-300		1.5 - 50.0	0.156	300	FMVSS No.302		
		BF-400		3.0 - 50.0	0.232	400	FMVSS No.302		
		BF-500		3.0 - 40.0	0.413	500	FMVSS No.302		
		BF-700		3.0 - 40.0	0.844	700	FMVSS No.302		
	<b>GOMSPOR</b> <sup>®</sup>	E-4088	EPDM	1.0 - 31.0	0.032	100	FMVSS No.302 ≥5.0mm	Sealing, Heat and chemical resistance	
		E-4348		1.0 - 28.0	0.047	150	UL 94 V-0	Sealing, Low sulfur, V-0 FR rating	
Recommend Application	Product Family	Grade Name	Material	Thickness (mm)	Hardness (ASKER-C)	Thermal Conductivity (W/mk)	Flammability	Features	
Thermal Interface	<b>Transcool</b>	GXIII	Silicone	1.0 - 6.0	22	3.0	UL 94 V-0	Soft, high thermal conductivity	
		GNS	Acrylic	1.0 - 3.0	28	2.7	UL 94 V-0 ≥2.0mm UL 94 V-2 ≤1.5mm	Siloxane free	

\* products are under development, the physical properties of these items are subject to change.