



Technical Data Sheet

Product Name: 27000 Series

Semi-Open Cell PVC/NBR

Test items	Technical requirements	Units of Measure	Test results	Test Results USA
Density	50~80	Kg/cm3	70	4.37 Lb/ft3
Compression/Deflection 25%	≤5.0	KPa	4.2	0.6 PSI
Compression Set 50%	≤5	%	4	4%
Tensile strength	≥300	KPa	450	65 PSI
Elongation at Break	≥100	%	120	120%
Water absorption	≤4	%	0.99	0.99%
Thermal conductivity (35 °C)	≤0.04	W/m.K	0.035	Pass
Oxygen Index	≥28	%	29	Pass
High Temperature Range	105°C for 8h, Dimensional changes ≤5	%	Appearance does not change	Pass
Low Temperature Range	-40°C for 30min, Dimensional changes ≤3	%	No cracking or Other changes	Pass
Flame Resistance Ratings				
	FMVSS 302	/	Meets Requirement	Pass
	UL 50	/	Meets Requirement	Pass
	UL 94HF1	/	Meets Requirement	Pass
Smoke density	≤75	/	55	Pass
Burn time	≤30	Seconds	15	Pass
Height of burning	≤250	mm	10	Pass

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