

Technical Data Sheet

Property item		Unit	Specifications	Standard
Density		kg/m ³	≤80	ASTM D 1667
Flammability	Oxygen index	%	≥35	GB/T 8624-2012
	SDR	—	≤70	GB/T 8627-2007
	—	—	Class 1	BS 476: Part 7
Combustion toxicity of smoke		t1	ZA3	GB/T 20285-2006
Thermal conductivity average temperature	-20℃	W/(m·k)	≤0.031	ASTM C177&C518
	0℃		≤0.033	
	40℃		≤0.037	
Water vapor permeability	Coefficient	g/m·s·Pa	≤1.92×10 ⁻¹¹	ASTM E96
	Factor(μ value)	—	≥12,000	DIN 52615
Water absorption ratio in vacuum		%	≤9	ASTM D1056
Dimension stability 105±3℃,7d		%	≤9	GB/T 8811-2008
Crack resistance		N/cm	≥2.6	GB/T 10808
Compression resilience ratio Compression ratio 50%、72h		%	≥71	GB/T 6669-2008
Anti-ozone Ozone pressure 202mpa 200h		—	No cracking	ASTM D1171
Aging resistance 150h		—	Slightly rucking, no cracks, no pinhole, no distortion	GB/T16259
Service temperature range		℃(°F)	-50℃—105℃ (-58°F—221°F)	GB/T 17794-2008



