

EXTENDING THE LIFE OF EXTRACTED NATURAL RESOURCES

Tire Veneer Typical Properties

<u>Material History</u>			
Feed Stock	Up to 100% Post Consumer Crumb Rubber (except when noted)		
Primary Source	Tire Retreading Industry		
<u>Component Material Name</u>		<u>Recycled %</u>	
Styrene Butadiene Rubber (SBR), Black		100%	
Ethylene Polypropylene Diene Monomer (EPDM), Colored		0%	
Urethane Binder		0%	
<u>Properties for SBR</u>	<u>ASTM Method</u>	<u>SBR Rubber</u>	<u>EPDM Rubber</u>
Durometer Hardness	D-2240	60 +/-5	60 +/-5
Density	D-792	65 lbs./cu. ft.	80 lbs./cu. ft.
Elongation	D-412	100%	300%
Tensile	D-412	200 psi	200 psi
Taber Abrasion	D-3884	0.47	2.34
Flame Spread	E-84	135	65
Smoke Developed	E-84	<450	<450
Compression Set	D-395	8.4%	9.7%
VOC Emissions	D-5116	0.5 mg/m ³ or less	0.5 mg/m ³ or less
Chemical Resistance	F925-02	No Change	No Change
Static Load Limit	F-970	-0.001 in.	-0.001 in.
Coefficient of Friction	C1028-96	Dry - 0.83	Dry - 0.73
		Wet - 0.98	Wet - 0.97
Electrical Resistance	F-150	1.9 x 10 ⁵ Ohms	7.5 x 10 ¹⁰ Ohms
		(surface to ground)	(surface to ground)
		4.4 x 10 ⁵ Ohms	6.3 x 10 ¹⁰ Ohms
		(surface to surface)	(surface to surface)
Electrostatic Propensity	AATCC 134-1996	Neg. 0.4 KV	Neg. 0.6 KV
Critical Radiant Flux	E-648	N/A	0.52 W/cm2
Thermal Conductivity (heat flow) C518	C518	2.32	
Thermal Conductivity	btu-in/hr-ft ²	0.075	
Freeze/Thaw	-40°C x 40 cycles	No Change	
Accelerated Weathering	2,500 hours	No Change	
Compression Endurance	4-9 ton x 10,000 cycles	No Deterioration	
Chemical Resistance	Unaffected by most acids and chlorine		
Life Expectancy	If properly installed and maintained, at least 20 years.		
<u>Tire Veneer meets CLASS C for flame spread.</u>			
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