

EXTENDING THE LIFE OF EXTRACTED NATURAL RESOURCES

**Flexisurf Typical Properties**

<u>Material History</u>		
Feed Stock	100% Post Consumer/Industrial	
Primary Source	Commercial and Industrial	
Note: Standards may change with changes in the automotive and roofing industry.		
<u>Component Material Name</u>	<u>Estimated Percentage</u>	
Polyvinyl chloride (PVC)	90% +	
Polyester strands	10%	
Special additives: The fungicide Vinyzene® is incorporated into the material.		
<u>Technical Specifications</u>	<u>ASTM Method</u>	<u>Value</u>
Bacterial & Mildew Resistance	ASTM G-21	Excellent
Specific Gravity	ASTM D792	0.952 Lbs/ft <sup>3</sup> .
Break Strength (machine direction)	ASTM D-751	405 Lbs
Break Strength (cross machine direction)	ASTM D-751	723 Lbs
Coefficient of Friction (avg)	ASTM D-2047	Dry 0.88/Wet 0.92
Compressive Strength @20% def	ASTM D-695	641 psi
Elongation (machine direction)	ASTM D-751	76.5%
Elongation (cross machine direction)	ASTM D-751	88.5%
Fire Test: NFPA Type 1 Rated		
Critical Radiant Flux	ASTM E-648	1.05w/cm <sup>2</sup>
Burn Distance	ASTM E-648	12 cm
Shore A Hardness		80-85 Average
Tear Strength (machine direction)	ASTM D-751	76.5 Lbs
Tear Strength (cross machine direction)	ASTM D-751	84 Lbs
Thickness	ASTM D751	0.250 in
Weight	ASTM D-751	25.16 oz/sq ft
Dimensional Stability	ASTM D-1204	<1%
Thermal Expansion	ASTM E-831	15.4 in x 10 <sup>6</sup> in
Receptivity	ASTM C-657	4.9 x 10 <sup>9</sup> ohm/cm
Water Absorption	ASTM D-570	0.289%
Sound Transmission Class	ASTM E90-90	30 dB
Flexisurf meets the NFPA requirements for <b>CLASS 1</b> for flooring.		
All information given herein is offered in good faith as representative of the characteristics found in materials listed herein. Physical property measurements are typical values only and are subject to normal variations in test method and product manufacture. No guarantees are expressed or implied and Yemm & Hart Ltd assumes no liability.		