

Tremco Incorporated certifies that the TREMproof® PUMA and its components exhibit the following typical physical properties:

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Tremco PUMA BC (All Grades)	Tremco PUMA TC
VOC Content	Method 310	0 g/L	0 g/L
% Solids (by Weight)	ASTM D1353	100%	100%
Drying Time @ 75° F, 50% RH	ASTM D1640	80 mil film, 1 hr	17 mil film, 1 hr
Weathering	ASTM D822 Weatherometer 350 hr	N/A	No effect
Elongation	ASTM D638	407% - 420%	130%
Elongation	ASTM D5147	Min 30%	Min 30%
Tensile Strength	ASTM D638 @ 75° F	991 – 1680 psi	986 psi
Tearing Resistance	ASTM D4073	91 lbf	203 lbf
Hardness (Shore D)	ASTM D2240	18 – 35	55
Hardness (Shore A)	ASTM D2240	65 – 87	100
Abrasion Resistance (1,000 cycles)	ASTM D4060	N/A	51 mgm
Low-Temperature Crack Bridging	ASTM C1305	Passes	N/A
Taber Abrasion	ASTM C501	Passes	N/A
Peak Load @ 73° F, avg.	ASTM D5147	> 70 lbf/in	238 lb/in
Puncture Resistance	ASTM D5602	> 56 lbs	> 56 lbs
Water Absorption	ASTM D570	< 0.1%	< 0.1%
Water Vapor Transmission	ASTM E96	0.03 perms	0.03 perms
Adhesion-in-Peel	ASTM C794	Concrete failure with primer	N/A
Self-Ignition Temperature (°F)	ASTM D1929	800°	850°
Smoke Density (%)	ASTM D2843	4.1%	2.1%
Rate of Burn (in/min)	ASTM D635	1.2 in/min	0.2in/min

Although TREMproof PUMA is not NSF registered, or previously authorized by USDA, they do meet the requirements for use in Federally inspected food processing facilities provided that they are not used in areas where food is being processed, prepared, or packaged. The material must also be applied in a

manner which prevents any direct or indirect contamination of food. Additionally, before any food product can be placed in the area of treatment, the coatings must be allowed to cure according to manufacturer's recommendations and the area should be sufficiently free of odor to prevent food contamination.

TREMproof PUMA is listed with **Underwriter's Laboratories** to UL790 Class A Fire Rating.