

SALIENT CHARACTERISTICS
TPO Roofing Material
676-18-112 Replace Roofing B-452

If bidding an equal, offeror must meet the following salient characteristics of the Thermoplastic Polyolefin (TPO) 60 mil Roofing System and must meet these minimum typical performance measures:

A. Typical Performance Measures:

Property	Test Method	Units	Typical Values
1. Overall Thickness	D 412	in.	.060
2. Tearing Strength	D 751	psi	120 lbf
3. Ozone Resistance (No Cracks)	D1149	---	Pass
4. Puncture Resistance	FTM 101C	lbf	300
5. Static Puncture Resistance	D5602	---	Pass
6. Dynamic Puncture Resistance	D 5635	---	Pass (40J)
7. Brittleness Point	D 2137	Deg. F	-40
8. Solar Reflectance	Initial	ASTM E903	.80
9. Thermal Emittance	Initial	ASTM E408	.95
10. Solar Reflective Index	Initial	ASTM E1980	102

B. Must also meet the following requirements:

1. Must meet or exceed the minimum requirements set forth by ASTM D 6878.
2. Finished roof will be white surface and meet Leadership in Energy and Environmental Design (LEED) requirements.
3. Must comply with ANSI/ASHRAE/IES Standard 90.1 Energy Standard for Buildings