



SolidBlack-MD-TPO

Specifications For Crosslinked Underlayment 100 - 500 sq ft Rolls



11/07

PROPERTY	SPECIFICATION
Materials	Medium Density Polyolefin Foam, Polyethylene Film
Standard Roll Size / 40" x 30'	100 square feet
Part Number	Standard – A27071
Foam Color / Film	Black / Black
Thickness	.08"
Moisture Barrier	2mil
Mold and Mildew Resistant	Yes
Non-allergenic	Yes
Tensile Strength psi	M123, CM78
Water Absorption lbs/sq.ft of surface cut (ASTM D-1667)	0.04
Water Vapor Transmission Wet Cup Method	0.04 grains/h per sq ft
Shore Hardness (ASTM D2240)	A Scale 15, OO Scale 64
Elongation to Break (%) (ASTM D3575)	M 177 CM 126
Tear Resistance lbs/in	M15, CM24
R Value	3.19 (ft ² – F –hr/Btu – in.)
Compression Set (ASTM D3575) % of original thickness	18
Compression Strength psi (ASTM D3575)	9 @ 25% 19 @ 50%
Thermal Stability % 3 hours @ 180°F Maximum	M – -1.5 CM – -0.7
Thermal Conductivity K Factor @ 70°F Btu/(hr)(ft ²)F/in	0.30
Rolls Per Box	50
Boxes Per Pallet	1
Pallets Per Truck	52
Roll Per Truckload	2,600

Sound Transmission Loss.
The sound-insulating property of a partition element is expressed in terms of the sound transmission loss.
ASTM E90-02, ASTM E413-87
Sound Transmission Class (STC) = 72.

Impact Sound Transmission.
The method is designed to measure the impact sound transmission performance of a floor-ceiling assembly in a controlled laboratory environment.
ASTM E492-90, ASTM E989-89
Impact Insulation Class (IIC) = 72.

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