



SolidBlack-HD-TPO

Specifications For Crosslinked Underlayment 100 - 500 sq ft Rolls



06/07

PROPERTY	SPECIFICATION
Materials	High Density Polyolefin Foam, Polyethylene Film
Standard Roll Size / 40" x 30'	100 square feet
Jumbo Roll Size / 80" x 75'	500 square feet
Part Number	Standard – A27071, Jumbo – A27076
Foam Color / Film	Black / Black
Thickness	.08"
Moisture Barrier	5.5mil
Mold and Mildew Resistant	Yes
Non-allergenic	Yes
Tensile Strength psi	M177, CM122
Water Absorption lbs/sq.ft of surface cut (ASTM D-1667)	0.04
Water Vapor Transmission Wet Cup Method	0.03 grains/h per sq ft
Shore Hardness (ASTM D2240)	A Scale 23, OO Scale 71
Elongation to Break (%) (ASTM D3575)	M 203 CM 140
Tear Resistance lbs/in	M24, CM35
R Value	3.19 (ft ² – F –hr/Btu – in.)
Compression Set (ASTM D3575) % of original thickness	14
Compression Strength psi (ASTM D3575)	18 @ 25% 33 @ 50%
Thermal Stability % 24hrs @158°F Maximum	M –1.0 CM –0.7
Thermal Conductivity K Factor @ 70°F Btu/(hr)(ft ²)F/in	0.32
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) = 73.

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) = 71.

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