

U.S. Department of Defense
Procurement Instrument ID No. W58P05-04-D-0013
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SOLARGARD HEAVY DUTY KNITTED SHADE

HIGH DENSITY POLYETHYLENE

WORKING LIFE EXPECTANCY: 10-18 YEARS
DENSITY; .0944 g/cm³
MELTING POINT: 257 DEGREES F
ELONGATION AT BREAK: 500% FOR BASE POLYMER
FLEXURAL MODULUS: 115,000 PSI FOR BASE
VICAT SOFTENING TEMPERATURE: 257%
HEAT DISTORTION TEMPERATURE: 158%
ROCKWELL HARDNESS: 41 L SCALE FOR BASE POLYMER
SHORE HARDNESS: 62 D SCALE FOR BASE POLYMER

SHADE FACTOR	BREAKING STRENGTH
30%	100 LBS/SQFT
40%	440 LBS/SQFT
50%	770 LBS/SQFT
60%	800 LBS/SQFT
70%	900 LBS/SQFT
80%	1080 LBS/SQFT

PRIMARY USES:

SHADE CLOTH TO REDUCE SUN LIGHT AND UV EXPOSURE, MOSTLY USED IN SHADE HOUSES AND GREENHOUSES.
WINDSCREEN TO REDUCE DAMAGE TO CROPS BY WIND.
LEAF COVERS.
SCAFFOLDING ENCLOSURE
CONTAINMENT OF PAINT OVERSPRAY
SANDBLASTING
DEMOLITION CUR