



NORSEMAN

NORFlex

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Page:
1 of 1

DATA SHEET: NORFlex-380 PROVISIONAL

NORFlex 380 is a closed cell, cross-linked EVA copolymer foam. This provisional data sheet characterises that NORFlex 380 contains a Hindered Amine Light Stabilizer (HALS) additive for increased UV Resistance.

PROPERTY	UNIT	TEST METHOD	NORFlex 380
NOMINAL DENSITY – SKIN / SKIN:	kg / m ³	BS ISO 7214 1998	50
CELL SIZE – TYPICAL DIAMETER:	mm	INTERNAL	0.45
COMPRESSION STRESS -STRAIN: 10% COMPRESSION 25% COMPRESSION 40% COMPRESSION 50% COMPRESSION	 kPa kPa kPa kPa	BS ISO 7214 1998	 30 50 85 115
COMPRESSION SET: 25% COMP., 22HR, 23°C ½ HR RECOVERY 24 HR RECOVERY 50% COMP., 22HR, 23°C ½ HR RECOVERY 24 HR RECOVERY	 % set % set % set % set	ISO 7214 1998 25 mm CELL - CELL	 10 3 24 14
TENSILE STRENGTH: TENSILE ELONGATION:	kPa %	ISO 7214 1998	750 220
TEAR STRENGTH:	N/m	BS EN ISO 8067 1995	990
SHORE HARDNESS OO SCALE: 10mm CELL / CELL THICKNESS	Shore "00"	ISO 868 1985	48
RECOMMENDED OPERATING TEMPERATURE RANGE*	°C	INTERNAL	+ 65 MAX - 70 MIN

* RECOMMENDED OPERATING TEMPERATURE RANGE

The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24 hr exposure period, using sample dimensions of 100mm x 100mm x 25mm. This figure is provided for general guidance only. The actual level of shrinkage the foam will undergo at any particular temperature is dependant on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.

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