TRU-LOCK™ RAW MATERIAL PRODUCT DATA SHEET

DESCRIPTION : GP INSULATION AND SHEATHING COMPOUND
APPEARANCE : BLACK PELLETS WHICH GIVE A SMOOTH SURFACE FINISH ONCE EXTRUDED

PROPERTIES	UNIT	TYPICAL VALUES	TEST METHOD
PHYSICAL			
RELATIVE DENSITY	g/cm3	1.53	SABS METHOD 649 B S S
SOFTNESS	BSS	20	BS2782 METHOD 365A
SHORE " A"	" A "	91	CONVERSION TABLE 3
MECHANICAL			
(unaged)			
TENSILE STRENGTH	MPa	13.1	SABS METHOD 503
ELONGATION	%	208	SABS METHOD 504
(aged)			
(168 hrs @ 100 0C)			
TENSILE STRENGTH – RETAINED	%	112	SABS METHOD 507
ELONGATION – RETAINED	%	91	
LOSS OF MASS MAXIMUM	mg/cm2	0.3	SABS METHOD 510
OIL IMMERSION			
RETENTION OF TENSILE STRENGTH	%		SABS METHOD 510
RETENTION OF ELONGATION AT BREAK	%		SABS METHOD 511
RESISTANCE TO PETROLEUM			
VARIATION IN VOLUME	%		SABS METHOD 1017
SIGNS OF STICKING / CRACKS			SABS METHOD 150
CHANGE IN COLOUR			
LOW TEMPERATURE			
COLD BEND	^{o}C -		30 SABS METHOD 501
COLD FLEX	^{o}C		BS2782 PART 1:METHOD
ELONGATION	%		BS6469 SEC .,14.992
IMPACT	^{o}C		BS6469 SEC .,14.993
HIGH TEMPERATURE			
HEAT SHOCK	^{o}C		150 SABS METHOD 500
HEAT DEFORMATION			
HOT PRESSURE TEST	%	34	
ELECTRICAL			
VOLUME RESISTIVITY AT 20 0C	ohms cm		HEWLETT PACKARD
FIRE RETARDANCY			
RESISTANCE TO BURNING	seconds	6.1	SABS METHOD 502
LIMITING OXYGEN INDEX	%		

RECOMMENDED PROCESSING TEMPERATURE'S. (0C) 145/155/165/170