

PROPERTIES OF YELLOW GRADE UHMWPE			
SL.No	PARAMETERS	UNIT OF MEASURE	SPECIFIED VALUE
1	DENSITY	gm/cc	0.93 - 0.96
2	SHORE-D HARDNESS	-	65±3
3	BALL INDENTATION HARDNESS	N/mm ²	38 (Min)
4	NOTCH IMPACT STRENGTH	NO FAILURE	NO FAILURE
5	TENSILE STRENGTH AT BREAK	Kg/cm ²	≥ 350
6	ELONGATION AT BREAK	%	≥ 200
7	ABRASION LOSS	mg	60 (Max)
8	MOLECULAR WEIGHT	g/mol	> 7 Million

NOTE :-

- 1) BOX 45 mm BEFORE MACHINING
- 2) ALL SURFACE TO BE 3.2 Ra UNLESS OTHERWISE MENTIONED
- 3) PARTY SHALL PROVIDE THE TEST CERTIFICATE OF UHMWPE FROM ANY NABL ACCREDITED LAB.

PART NO - EA14677C....A

ITEM NO - 02

(SEAL FEED END)

PART NO - EA14677C... C

ITEM NO. - 01

(SEAL DISCHARGE END)



URANIUM CORPORATION OF INDIA LTD. TURAMDIH MINES

(A GOVT. OF INDIA ENTERPRISE, DEPT. OF ATOMIC ENERGY)

DRN	Rajesh	29.04.11
CHECKED		NKN
APPROVED		MKS
SCALE 1:2.5		
DIMENSIONS IN MM		

MATERIAL :- UHMWPE

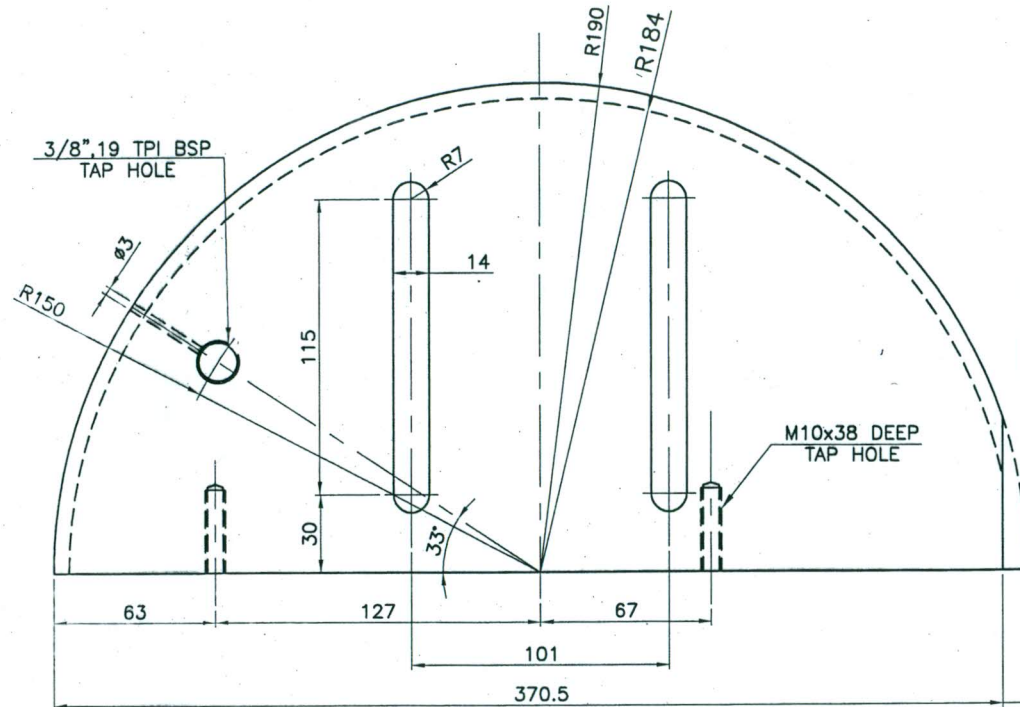
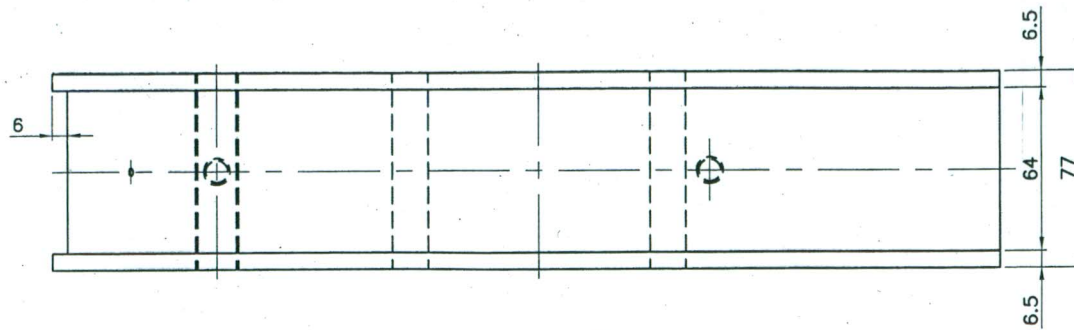
SEAL FEED END & SEAL DISCHARGE END

FOR ACID / NEUTRAL BELT FILTERS

DIMENSIONS IN MM

DRG.NO.- UCT-2/MECH/BELT FILTER/06

REV - 0



ITEM NO - 05

PART NO - EA14677C....F

MATERIAL :- UHMWPE

120

PROPERTIES OF YELLOW GRADE UHMWPE			
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7	ABRASION LOSS	mg	60 (Max)
8	MOLECULAR WEIGHT	g/mol	> 7 Million

NOTE :-

- 1) ALL SURFACE TO BE 3.2 Ra UNLESS OTHERWISE MENTIONED
- 2) PARTY SHALL PROVIDE THE TEST CERTIFICATE OF UHMWPE FROM ANY NABL ACCREDITED LAB.

9.5
SHAVED DOWN



URANIUM CORPORATION OF INDIA LTD. TURAMDHI MINES
(A GOVT. OF INDIA ENTERPRISE, DEPT. OF ATOMIC ENERGY)

DRN.	Rajesh	29.04.11
CHECKED	NKN	
APPROVED	MKS	
SCALE 1:2.5		
DIMENSIONS IN MM		

TAKE-UP BLOCK VACUUM PAN
FOR ACID / NEUTRAL BELT FILTERS

DRG.NO.- UCT-2/MECH/BELT FILTER/07 REV - 0