

### Physical and mechanical characteristics of felixible bitumen sheets according to ISIRI 3885

Item	Characteristics	Unit	Cold area	Temperate region		Tropical area	Test method
				type C	type H		
1	Flexibility at low temperature(Max)	°C	-15	-5	0	5	ISIRI 3881 or INSO 20184
2	Resistance to current at high temperature(Min)	°C	80	90	100	120	INSO 20181
3	Tensile strength at one point (min)	L	kg/5cm	40			INSO 20182-1
		W		30			
4	Elongation (Min)	L	%	25			
		W		25			
5	Resistance to tearing (Min)	L	kgf	12			INSO 20180-1
		W		10			
6	Dimensional stability	L	%	±0/2			INSO 20791-2
		W		±0/2			
7	Watertightness (Min)	kpa		10			INSO 20790
8	Artificatal aging by long term exposure to combination of UV radiation, evelated temperature and water (Max)	Drop at filixibility temprature	°C	10			BS EN 1297
		Drop at Tensile properties	%	10			
9	Artificial aging by long term exposure to elevated temprature( 8 weeks) (Max)	Drop at filixibility temprature	°C	10			BS EN 1296
		Drop at Tensile properties	%	10			

### Dimensional and mass per unit area of bitumen sheets according to ISIRI 3885

Item	Characteristics	Unit	Range		Test method
			Single layer	Double layer	
1	Thickness (Min)	mm	3	3.5	EN1849-1
2	Mass per unit area (Min)	kg/m2	3.2	3.7	
3	Width	m	1±0.01		INSO 20187-1
4	Length	m	10±0.1		
5	Straightness	mm	lower than 20mm in 10 m		