

KANTAFLEX

**TECHNICAL SPECIFICATION FOR
HIGH QUALITY NATURAL RUBBER VULCANIZED COMPOUNDS
FOR EXTRUSION & MOULDED PRODUCTS
(SPECIFICATION: IS: 5192 – 1975 and BS: 1154 – 1970)**

TYPES & GRADE CLASSIFICATION:

S.No	HARDNESS In Shore A scale	TYPE – A (Non – Black Compound)	TYPE – B (Black Compound)
1	31 – 40	GRADE 1	GRADE 1
2	41 – 50	GRADE 2	GRADE 2
3	51 – 60	GRADE 3	GRADE 3
4	61 – 70	GRADE 4	GRADE 4
5	71 – 80		GRADE 5
6	81 – 90		GRADE 6

PHYSICAL REQUIREMENTS – BEFORE AGEING:

S.No	PHYSICAL PARAMETERS	GRADES OF TYPE ‘A’				GRADES OF TYPE ‘B’					
		1	2	3	4	1	2	3	4	5	6
1	HARDNESS, IRHD	31 - 40	41 - 50	51- 60	61- 70	31- 40	41- 50	51- 60	61- 70	71- 80	81- 90
2	TENSILE STRENGTH IN KSC, MINIMUM	170	170	170	140	200	200	170	140	110	80
3	ELONGATION, % MINIMUM	650	600	500	400	700	600	500	350	250	150
4	COMPRESSION SET, IN %, MAXIMUM	25	25	25	30	25	25	25	30	30	40

PHYSICAL REQUIREMENTS – AFTER AGEING (70 degree C for 168 Hours)

PHYSICALPARAMETERS	ALLOWABLE VARIATION
• Hardness	+ 5, Maximum
• Tensile Strength at break, %	- 20 to + 10
• Elongation at break, %	- 25 to + 05

Designed & Manufactured By
KANTA RUBBER P. LIMITED, HYDERABAD – 500 085 (A.P.)