

## APPLICATIONS AND BENEFITS OF VULTAC®

TYPE OF RUBBER	APPLICATION	TYPE OF VULTAC®					EFFECT
		2	3	5	7	710	
NATURAL SBR NBR	Partial or total replacement of sulfur.	X	X	X	X	X	More stable cures; reduced marching modulus; increased tensile and elongation; improved ageing.
NATURAL + SBR	Smooth out the differences of curing rate between SBR and natural rubber.	X	X	X	X	X	More stable cures; higher physical properties; improved ageing.
SBR NBR	Plasticizer and tackifier in SBR and nitrile rubber.		X	X	X	X	Improved physical properties of the vulcanized compounds; increased building tack; improved processing.
NATURAL SBR NBR	Non-softening plasticizer in high hardness compounds.		X	X	X	X	Improved processing of heavily loaded compounds without reduction of hardness due to the processing oils.
NATURAL SBR	Antioxidant and stabilizer in both normal and high temperature sensitive adhesives.		X		X	X	Greatly improved shelf ageing and retention of tack.
NATURAL SBR	Total replacement of sulfur in semi-hard compounds such as rubber-covered rolls.		X	X	X	X	Greatly improved tensile and elongation; combination of high VULTAC® 3 (60 PHR) and high zinc oxide (100 PHR) produce a unique combination of high hardness and high elongation.
NATURAL + CHLOROBUTYL HALOBUTYL	Auxiliary vulcanizing agent in innerliners and sidewalls formulations.		X	X	X	X	Promotion of adhesion to the carcass; improved tensile values; excellent resistance to heat and ageing.