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Accelerator Type	Chemical Name	Main Applications	Cure Speed	Heat Resistance	Tensile Strength Impact	Recommended Dosage (%)	Key Advantages	Best For
MBT	Mercaptobenzothiazole	General rubber goods, footwear	Medium	Medium	Good balance	0.5 – 1.0	Reliable, economical	General-purpose production
MBTS	Dibenzothiazyl Disulfide	Tyres, conveyor belts	Medium-slow	Good	Improves processing safety	0.5 – 1.5	Safe processing, long scorch time	Large-scale production with long mixing cycles
CBS	N-Cyclohexyl-2-benzothiazole sulfenamide	Tyres, industrial rubber	Fast	High	Excellent tensile & elongation	0.6 – 1.2	High output with strong properties	High-performance rubber goods
TMTD	Tetramethylthiuram disulfide	Footwear, hoses, latex	Ultra-fast	Medium	Moderate	0.2 – 0.5	Very fast curing	Low-temperature vulcanization
ZDEC	Zinc diethyl dithiocarbamate	Latex products, dipped goods	Ultra-fast	Low	Lower tensile	0.3 – 0.6	Very fast cure in latex	Rubber gloves, balloons
ZDBC	Zinc dibutyl dithiocarbamate	Latex products	Ultra-fast	Low	Lower tensile	0.3 – 0.6	Excellent latex accelerator	Medical gloves, elastic threads
ZMBT	Zinc mercaptobenzothiazole	Latex, water-based compounds	Medium	Good	Maintains elasticity	0.5 – 1.0	Non-staining, safer processing	White or light-colored rubber
DPG	Diphenyl guanidine	Tyres, mechanical goods	Medium	Good	Enhances modulus	0.3 – 0.8	Secondary accelerator for thiazoles	Heavy-duty products
PVI	Pre-vulcanization inhibitor	All rubber goods	—	—	—	0.1 – 0.3	Prevents premature vulcanization	Complex or delayed processing cycles