







MLPC International continues to develop and offer safer solutions of vulcanization system to customers through its own R&D

EKALAND BY ARKEMA		CHEMICAL NAME	 	CAN REPLACE	USED WITH
BQD 30 DS (*)	PARABENZOQUINONE-DIOXIME	✓			XIIR, NR
BQD HU (*)	PARABENZOQUINONE-DIOXIME	✓			XIIR, NR
DATU LI (*)	BLEND OF DIALKYL THIOUREAS	✓			CR
DBTU CRA	DIBUTYL THIOUREA	✓			NR, SBR, NBR, IR, BR, CR
DETU CR	DIETHYL THIOUREA	✓			CR, NR, SBR, NBR, EPDM
DMTU CR (*)	DIMETHYL THIOUREA	✓			CR
DOTG C	DIORTHOTOLYL GUANIDINE	✓			CR, NR, SBR
DPG PD /C/ GC	DIPHENYL GUANIDINE	✓			NR, SBR, BR, CR, NBR
DPTU PD	DIPHENYL THIOUREA	✓			NR, SBR, NBR, EPDM
ETU C	ETHYLENE THIOUREA	✓		ETU (in EPDM compounds)	CR, CSM, CO, EPDM
PPDN 30 DX/30 NDX/35 HU	POLY-PARADINITROBENZENE	✓		TDEC in EPDM	for adhesion systems
SD C (*)	BIS DIMERCAPTOTHIAZOLE	✓		ETU	CR, EPDM, NR, NBR, SBR
TBZTD C/PD	TETRABENZYL THIURAM DISULFIDE		✓	TMTD, TMTM	CR, NR, IR, BR, SBR, NBR, EPDM
ZBEC C/PD (*)	ZINC DIBENZYL DITHIOCARBAMATE		✓	ZDMC, ZDEC, ZDBC	NR, SBR, NBR, IR, BR, CR, EPDM

(*) Available **only** on request

VULTAC BY ARKEMA		CHEMICAL NAME	 	CAN REPLACE	USED WITH
VULTAC 2	PARA TERTIOAMYLPHENOL DISULFIDE POLYMER	✓		DTDM, TMTD, OTOS	NR, SBR, NBR
VULTAC 3	PARA TERTIOAMYLPHENOL DISULFIDE POLYMER	✓		phenolic resins	BIIR, CIIR, EXXPRO in pharma
VULTAC 5	MIXTURE OF PARA TERTIOAMYLPHENOL DISULFIDE POLYMER WITH SILICAGEL	✓		DTDM, TMTD, OTOS	NR, SBR, NBR, CIIR, BIIR
VULTAC 710	MIXTURE OF PARA TERTIOAMYLPHENOL DISULFIDE POLYMER WITH STEARIC ACID	✓		phenolic resins	BIIR, CIIR, EXXPRO in pharma
VULTAC TB7	PARA TERTIOBUTYLPHENOL DISULFIDE POLYMER	✓		DTDM, TMTD, OTOS	NR, SBR, NBR, BIIR, CIIR
VULTAC TB710	MIXTURE OF PARA TERTIOBUTYLPHENOL DISULFIDE POLYMER WITH STEARIC ACID	✓		DTDM, TMTD, OTOS	NR, SBR, NBR, BIIR, CIIR

MIXLAND+ BY ARKEMA MIXLAND NEWGEN BY ARKEMA		CHEMICAL NAME	 	CAN REPLACE	USED WITH
CBS	N-CYCLOHEXYLBENZOTHIAZOLE-2-SULFENAMIDE	✓		MBS, DIBS, TBBS	NR, IR, BR, SBR, NBR, IIR, EPDM
CTPI (*)	N-CYCLOHEXYLTHIO PHTALIMIDE	✓			NR, SBR, NBR, IR, BR, CR, EPDM
DOTG	DIORTHOTOLYL GUANIDINE	✓			CR, NR, SBR, ACM
DPG	DIPHENYL GUANIDINE	✓			NR, SBR, BR, CR, NBR
ETU	ETHYLENE THIOUREA	✓			CR, CSM, CO, EPDM
HMT	HEXAMETHYLENE-TETRAMINE	✓			CR, EPDM, SBR, BR, NBR
MBT	2-MERCAPTENZOTHIAZOLE	✓		MBS, CBBS	NR, IR, BR, SBR, NBR, IIR, EPDM
MBTS	MERCAPTENZOTHIAZOLE DISULFIDE	✓		MBS, CBBS	NR, IR, SBR, BR, NBR, EPDM, CR
MMBI	(4 / 5)-METHYL-2-MERCAPTENZIMIDAZOLE	✓			NR, IR, BR, SBR, NBR
PBS-R	N-PHENYL-N (TRICHLOROMETHYLSULFENYL)-BENZENESULFONAMIDE	✓			NR, SBR, EPDM, BR, IR, NBR
SOUFRE	SULFUR	✓			NR, SBR, EPDM, BR, IR, NBR, CR
SD	BIS DIMERCAPTOTHIAZOLE	✓		ETU	CR, EPDM, NR, NBR, SBR
TBBS	N-TERT-BUTYL-2-BENZOTHIAZOLE SULFENAMIDE	✓		MBS	NR, IR, SBR, BR, NBR, EPDM
TBP75	POLY-TERT-BUTYLPHENOLDISULFIDE	✓		TMTD , sulfur donors, OTOS	NR, IR, SBR, NBR, EPDM
TBZTD	TETRABENZYL THIURAM DISULFIDE		✓	TMTD, TMTM	NR, IR, BR, SBR, NBR, EPDM
ZBEC	ZINC DIBENZYL DITHIOCARBAMATE		✓	ZDMC, ZDBC, ZDEC	NR, SBR, NBR, IR, BR, CR, EPDM
ZDTP	ZINC ALKYL DITHIOPHOSPHATE	✓		Dithiocarbamates+sulfur donors	NR, SBR, NBR, IR, BR, EPDM
ZnO	ZINC OXIDE	✓			Various rubbers

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