ATHENA-report [Product & process development] + [Specifications] + [PCR overview]

Afbeelding met tekst, schermopname, software, Computerpictogram

Automatisch gegenereerde beschrijving

SOURCE-CODE WEBFOCUS: INT00000P\_fieldtypes

-\* SPECIFICATION\_PROP field references for HEADERs

-\* Based on Interspec database Package: AAPICONSTANT

-SET &FT\_NUM\_1 = 1;

-SET &FT\_NUM\_2 = 2;

-SET &FT\_NUM\_3 = 3;

-SET &FT\_NUM\_4 = 4;

-SET &FT\_NUM\_5 = 5;

-SET &FT\_NUM\_6 = 6;

-SET &FT\_NUM\_7 = 7;

-SET &FT\_NUM\_8 = 8;

-SET &FT\_NUM\_9 = 9;

-SET &FT\_NUM\_10 = 10;

-SET &FT\_CHAR\_1 = 11;

-SET &FT\_CHAR\_2 = 12;

-SET &FT\_CHAR\_3 = 13;

-SET &FT\_CHAR\_4 = 14;

-SET &FT\_CHAR\_5 = 15;

-SET &FT\_CHAR\_6 = 16;

-SET &FT\_BOOLEAN\_1 = 17;

-SET &FT\_BOOLEAN\_2 = 18;

-SET &FT\_BOOLEAN\_3 = 19;

-SET &FT\_BOOLEAN\_4 = 20;

-SET &FT\_DATE\_1 = 21;

-SET &FT\_DATE\_2 = 22;

-SET &FT\_UOM = 23;

-SET &FT\_ATTRIBUTE = 24;

-SET &FT\_TESTMETHOD = 25;

-SET &FT\_ASSOCIATION\_1 = 26;

-SET &FT\_PROPERTY = 27;

-SET &FT\_ASSOCIATION\_2 = 30;

-SET &FT\_ASSOCIATION\_3 = 31;

-SET &FT\_TESTDETAIL\_1 = 32;

-SET &FT\_TESTDETAIL\_2 = 33;

-SET &FT\_TESTDETAIL\_3 = 34;

-SET &FT\_TESTDETAIL\_4 = 35;

-SET &FT\_NOTE = 40;

-SET &FT\_TMDETAILS = 41;

-\* Section types for (REF\_ID, REF\_VER) in SPECIFICATION\_SECTION

-SET &SECTIONTYPE\_PROPERTYGROUP = 1;

-SET &SECTIONTYPE\_REFERENCETEXT = 2;

-SET &SECTIONTYPE\_BOM = 3;

-SET &SECTIONTYPE\_SINGLEPROPERTY = 4;

-SET &SECTIONTYPE\_FREETEXT = 5;

-SET &SECTIONTYPE\_OBJECT = 6;

-SET &SECTIONTYPE\_PROCESSDATA = 7;

-SET &SECTIONTYPE\_ATTACHEDSPEC = 8;

-SET &SECTIONTYPE\_INGREDIENTLIST = 9;

-SET &SECTIONTYPE\_BASENAME = 10;

-\* Status constants

-SET &STATUS\_DEVELOPMENT = 1;

-SET &STATUS\_SUBMIT = 2;

-SET &STATUS\_APPROVED = 3;

-SET &STATUS\_CURRENT = 4;

-SET &STATUS\_HISTORIC = 5;

-SET &STATUS\_OBSOLETE = 7;

-SET &STATUS\_REJECTED = 6;

INT00001L4\_MERGE

-\* File INT00001L4\_MERGE.fex

-\* Second part match; properties by PART\_NO + PART\_TYPE

-\* Defines on property tables to define which property to join to which output-column group

DEFINE FILE PCT00001H\_PLY\_PROPERTIES

PLYTYPE/A4 MISSING ON = SUBSTR(18, PART\_NO, 4, 8, 4, PLYTYPE);

END

DEFINE FILE PCT00001H\_BELT\_PROPERTIES

BELTTYPE/A5 MISSING ON = SUBSTR(18, PART\_NO, 4, 9, 5, BELTTYPE);

END

DEFINE FILE PCT00001H\_BOM\_TREE

CAPPLY\_TYPE/A4 MISSING ON = SUBSTR(18, PART\_NO, 4, 8, 4, CAPPLY\_TYPE);

END

DEFINE FILE PCT00001H\_SIDEWALL\_PROPERTIES

SWTYPE/A14V MISSING ON = SUBSTR(18, PART\_NO, 4, 18, 14, SWTYPE);

RCWIDTH/D20.2 = TOTAL\_WIDTH - SIDEWALL\_WIDTH;

END

**-\* Merge all parts into one file**

MATCH

**-\* Vulcanisation properties**

FILE PCT00001H\_VULCANIZATION\_PROPERTIES

SUM

MAX.CURING\_TIME\_STEAM

MAX.CURING\_TIME\_NITROGEN

MAX.CURING\_CRITICAL\_POINT

MAX.VULCANIZED

**-\* Greentyre properties**

FILE PCT00001H\_GREENTYRE\_PROPERTIES

SUM

MAX.PA\_OVERLAP

MAX.PA\_WIDTH

MAX.NR\_OF\_CAPPLY\_LYRS

MAX.OVERLAP\_CAPPLY

MAX.TOTAL\_WIDTH\_CAPSTRIP

MAX.BEAD\_DISTANCE

MAX.SHAPING\_DST

MAX.SIDEWALL\_DST\_C\_C

MAX.SIDEWALL\_DST\_OUT

MAX.STRETCHING\_DST

MAX.CIRCM\_B\_T\_DRUM

MAX.LIFT\_BELT\_PKG

MAX.GREENTYRE

**-\* Innerliners**

FILE PCT00001H\_INNERLINER\_PROPERTIES

SUM

MAX.WIDTH AS INNERLINER\_WIDTH

MAX.GAUGE AS INNERLINER\_GAUGE

MAX.INNERLINER

**-\* Plies (left + right)**

FILE PCT00001H\_PLY\_PROPERTIES

SUM

MAX.ANGLE AS PLY\_ANGLE

MAX.PLYTYPE AS PLY\_TYPE

MAX.WIDTH AS PLY\_WIDTH

MAX.GAUGE AS PLY\_GAUGE

MAX.PLY

RUN

**-\* Belts**

FILE PCT00001H\_BELT\_PROPERTIES

SUM

MAX.BELTTYPE AS BELT\_TYPE

MAX.WIDTH AS BELT\_WIDTH

MAX.ANGLE AS BELT\_ANGLE

MAX.GAUGE AS BELT\_GAUGE

MAX.BELT

-\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-\* FIXME:

-\* Different parent part-no's (ply/belt), but same item part-no

-\* Causes both racks to be numbered Racknumber001 instead of 001 and 002 respectively!

-\* Unfortunately, we do not have the BoM yet, so there's no context to correct this.

-\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**-\* Ply racks**

FILE PCT00001H\_PLY\_RACK\_PROPERTIES

SUM

MAX.GAUGE\_RACK\_NO AS PLY\_RACK\_GAUGE

**-\* Belt racks**

FILE PCT00001H\_BELT\_RACK\_PROPERTIES

SUM

MAX.GAUGE\_RACK\_NO AS BELT\_RACK\_GAUGE

**-\* Rubber strips**

FILE PCT00001H\_RUBBERSTRIP\_PROPERTIES

SUM

MAX.GAUGE AS RUBBERSTRIP\_GAUGE

MAX.WIDTH AS RUBBERSTRIP\_WIDTH

MAX.RUBBERSTRIP

**-\* Cap plies**

FILE PCT00001H\_BOM\_TREE

SUM

MAX.CAPPLY\_TYPE AS CAPPLY\_TYPE

WHERE FUNCTION EQ 'Capply';

**-\* Beads**

FILE PCT00001H\_BEAD\_PROPERTIES

SUM

MAX.BEAD

MAX.WIRES AS BEAD\_WIRES

MAX.TURNS AS BEAD\_TURNS

MAX.TOTAL\_HEIGHT AS BEAD\_HEIGHT

MAX.LAYER\_THICKNESS

MAX.LAYER\_WIDTH

MAX.APEX\_HEIGHT\_TTL

**-\* Treads**

FILE PCT00001H\_TREAD\_PROPERTIES

SUM

MAX.TREAD

MAX.DIE\_TPLEX AS TREAD\_DIE\_TPLEX

MAX.DIE\_QPLEX AS TREAD\_DIE\_QPLEX

MAX.TREAD\_THICKNESS

MAX.UNDERTREAD\_THICKNESS

MAX.BASE\_THICKNESS

MAX.COMPOUND AS TREAD\_MIXTURE

**-\* Sidewalls**

FILE PCT00001H\_SIDEWALL\_PROPERTIES

SUM

MAX.SWTYPE AS SIDEWALL

MAX.TOTAL\_WIDTH AS SIDEWALL\_TOTAL\_WIDTH

MAX.SIDEWALL\_WIDTH AS SIDEWALL\_WIDTH

MAX.RCWIDTH AS RIM\_CUSHION\_WIDTH

MAX.SIDEWALL\_THICKNESS

**-\* Labels**

FILE PCT00001H\_LABEL\_PROPERTIES

SUM

MAX.LABEL\_CODE

TABLE FILE PCT00001H\_PARTS0

PRINT

**-\* Part properties**

VULCANIZED

CURING\_TIME\_STEAM

CURING\_TIME\_NITROGEN

CURING\_CRITICAL\_POINT

GREENTYRE

PA\_OVERLAP

PA\_WIDTH

NR\_OF\_CAPPLY\_LYRS

OVERLAP\_CAPPLY

BEAD\_DISTANCE

SHAPING\_DST

SIDEWALL\_DST\_C\_C

SIDEWALL\_DST\_OUT

STRETCHING\_DST

CIRCM\_B\_T\_DRUM

LIFT\_BELT\_PKG

INNERLINER

INNERLINER\_WIDTH

INNERLINER\_GAUGE

PLY

PLY\_ANGLE

PLY\_TYPE

PLY\_WIDTH

PLY\_GAUGE

BELT

BELT\_TYPE

BELT\_WIDTH

BELT\_ANGLE

BELT\_GAUGE

RUBBERSTRIP

RUBBERSTRIP\_GAUGE

RUBBERSTRIP\_WIDTH

CAPPLY\_TYPE

TOTAL\_WIDTH\_CAPSTRIP

BEAD

BEAD\_WIRES

BEAD\_TURNS

BEAD\_HEIGHT

LAYER\_THICKNESS

LAYER\_WIDTH

APEX\_HEIGHT\_TTL

TREAD

TREAD\_DIE\_TPLEX

TREAD\_DIE\_QPLEX

TREAD\_MIXTURE

TREAD\_THICKNESS

UNDERTREAD\_THICKNESS

BASE\_THICKNESS

SIDEWALL

SIDEWALL\_TOTAL\_WIDTH

SIDEWALL\_WIDTH

SIDEWALL\_THICKNESS

RIM\_CUSHION\_WIDTH

LABEL\_CODE

PLY\_RACK\_GAUGE

BELT\_RACK\_GAUGE

-\* Merge BOM-tree onto tyre part details (Tyre is top-level BOM).

**-\* Tyres (root nodes in tree)**

JOIN INNER

ROOT\_PNO IN PCT00001H\_BOM\_TREE TO UNIQUE

PART\_NO IN PCT00001H\_TYRE\_PROPERTIES AS J0

END

-\* Tyre components

JOIN LEFT\_OUTER

PART\_NO IN PCT00001H\_BOM\_TREE TO MULTIPLE

PART\_NO IN PCT00001H\_PARTS AS J1

END

DEFINE FILE PCT00001H\_BOM\_TREE

PART\_TYPE/A30V = FUNCTION || EDIT(PART\_NR);

PLY1/A18 MISSING ON SOME = IF (BOM\_FUNCTION IS MISSING AND PART\_TYPE EQ 'Ply001') OR (BOM\_FUNCTION EQ 'Ply 1')

THEN PLY

ELSE MISSING;

PLY1\_ANGLE/D20.2 MISSING ON SOME = IF (BOM\_FUNCTION IS MISSING AND PART\_TYPE EQ 'Ply001') OR (BOM\_FUNCTION EQ 'Ply 1')

THEN PLY\_ANGLE

ELSE MISSING;

PLY1\_TYPE/A4 MISSING ON SOME = IF (BOM\_FUNCTION IS MISSING AND PART\_TYPE EQ 'Ply001') OR (BOM\_FUNCTION EQ 'Ply 1')

THEN PLY\_TYPE

ELSE MISSING;

PLY1\_WIDTH/D20.2 MISSING ON SOME = IF (BOM\_FUNCTION IS MISSING AND PART\_TYPE EQ 'Ply001') OR (BOM\_FUNCTION EQ 'Ply 1')

THEN PLY\_WIDTH

ELSE MISSING;

PLY2/A18 MISSING ON SOME = IF (BOM\_FUNCTION IS MISSING AND PART\_TYPE EQ 'Ply002') OR (BOM\_FUNCTION EQ 'Ply 2')

THEN PLY

ELSE MISSING;

PLY2\_WIDTH/D20.2 MISSING ON SOME = IF (BOM\_FUNCTION IS MISSING AND PART\_TYPE EQ 'Ply002') OR (BOM\_FUNCTION EQ 'Ply 2')

THEN PLY\_WIDTH

ELSE MISSING;

BELT1/A18 MISSING ON SOME = IF PART\_TYPE EQ 'Belt001' THEN BELT ELSE MISSING;

BELT2/A18 MISSING ON SOME = IF PART\_TYPE EQ 'Belt002' THEN BELT ELSE MISSING;

BELT1\_TYPE/A5 MISSING ON SOME = IF PART\_TYPE EQ 'Belt001' THEN BELT\_TYPE ELSE MISSING;

BELT1\_WIDTH/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Belt001' THEN BELT\_WIDTH ELSE MISSING;

BELT1\_ANGLE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Belt001' THEN BELT\_ANGLE ELSE MISSING;

PLY1\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Racknumber001' AND CLASS\_DESC EQ 'TEXTCOMP' THEN PLY\_RACK\_GAUGE ELSE MISSING;

PLY2\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Racknumber002' AND CLASS\_DESC EQ 'TEXTCOMP' THEN PLY\_RACK\_GAUGE ELSE MISSING;

-\* PLY1\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Ply001' THEN PLY\_GAUGE ELSE MISSING;

-\* PLY2\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Ply002' THEN PLY\_GAUGE ELSE MISSING;

BELT1\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Racknumber001' AND CLASS\_DESC EQ 'STEELCOMP' THEN BELT\_RACK\_GAUGE ELSE MISSING;

BELT2\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Racknumber002' AND CLASS\_DESC EQ 'STEELCOMP' THEN BELT\_RACK\_GAUGE ELSE MISSING;

-\* BELT1\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Belt001' THEN BELT\_GAUGE ELSE MISSING;

-\* BELT2\_RACK\_GAUGE/D20.2 MISSING ON SOME = IF PART\_TYPE EQ 'Belt002' THEN BELT\_GAUGE ELSE MISSING;

END

TABLE FILE PCT00001H\_BOM\_TREE

SUM

MAX.FRAME\_NO

**-\* BOM properties**

MAX.PART\_TYPE

MAX.BOM\_FUNCTION

MAX.PARENT\_PNO

MAX.ITEM\_NUMBER

-\* MAX.PART\_NO

MAX.REVISION

MAX.PART\_DESC

MAX.CLASS\_DESC

MAX.LVL

MAX.QUANTITY

MAX.UOM

**-\* Tyre properties**

MAX.BUILDING\_METHOD

MAX.SPEED\_INDEX

MAX.SECTION\_WIDTH

MAX.ASPECT\_RATIO

MAX.RIMCODE

MAX.LOAD\_INDEX

MAX.LOAD\_INDEX\_CLS

MAX.BRAND

MAX.PRODUCTLINE

MAX.PRODUCTLINE\_CODE

MAX.CATEGORY

MAX.BEAD\_DISTANCE

MAX.TYRE\_WEIGHT

MAX.OVERALL\_DIA

MAX.J\_DIA

MAX.R3\_CONTOUR\_DRW

MAX.Y\_CONTOUR\_DRW

MAX.TREAD\_DEPTH\_MOULD

MAX.F

MAX.TREAD\_BASE\_THICKN

MAX.TOTAL\_WIDTH\_CAPSTRIP

MAX.ROLLING\_RES

MAX.TYRE\_NOISE1

MAX.TYRE\_NOISE2

MAX.WET\_GRIP\_INDEX

**-\* Part properties**

MAX.VULCANIZED

MAX.CURING\_TIME\_STEAM

MAX.CURING\_TIME\_NITROGEN

MAX.CURING\_CRITICAL\_POINT

MAX.GREENTYRE

MAX.PA\_OVERLAP

MAX.PA\_WIDTH

MAX.NR\_OF\_CAPPLY\_LYRS

MAX.OVERLAP\_CAPPLY

MAX.STRETCHING\_DST

MAX.LIFT\_BELT\_PKG

MAX.INNERLINER

MAX.INNERLINER\_WIDTH

MAX.INNERLINER\_GAUGE

MAX.PLY1

MAX.PLY2

MAX.PLY1\_ANGLE

MAX.PLY1\_TYPE

MAX.PLY1\_WIDTH

MAX.PLY2\_WIDTH

MAX.PLY1\_RACK\_GAUGE

MAX.PLY2\_RACK\_GAUGE

MAX.BELT1

MAX.BELT1\_TYPE

MAX.BELT1\_WIDTH

MAX.BELT1\_ANGLE

MAX.BELT1\_RACK\_GAUGE

MAX.BELT2

MAX.BELT2\_RACK\_GAUGE

MAX.RUBBERSTRIP

MAX.RUBBERSTRIP\_GAUGE

MAX.RUBBERSTRIP\_WIDTH

-\* MAX.MAX\_PRESSURE

MAX.CAPPLY\_TYPE

MAX.BEAD

MAX.BEAD\_WIRES

MAX.BEAD\_TURNS

MAX.BEAD\_HEIGHT

MAX.LAYER\_THICKNESS

MAX.LAYER\_WIDTH

MAX.APEX\_HEIGHT\_TTL

MAX.TREAD

MAX.TREAD\_DIE\_TPLEX

MAX.TREAD\_DIE\_QPLEX

MAX.TREAD\_MIXTURE

MAX.TREAD\_THICKNESS

MAX.UNDERTREAD\_THICKNESS

MAX.BASE\_THICKNESS

MAX.SIDEWALL

MAX.SIDEWALL\_TOTAL\_WIDTH

MAX.SIDEWALL\_WIDTH

MAX.SIDEWALL\_THICKNESS

-\* MAX.MAX\_PRESSURE

MAX.RIM\_CUSHION\_WIDTH

MAX.LABEL\_CODE

MAX.BUDGET\_QUANTITY

MAX.SPIKED

BY ROOT\_PNO

BY PART\_NO

BY STATUS\_TYPE

-\*WHERE ROOT\_PNO EQ 'GF\_1458013AM4NT';