FAQ

Is there additional information on handling for Parts Marking?

To improve the quality and benefits of IMDS data, polymeric parts are marked according to ISO 1043-1/2, ISO 11469 or ISO 18064.

If an MDS is created or modified, the Parts Marking information will need to be supplied if the MDS meets all of the following criteria:

- The parent node is a component
- At least one child node of the component parent node is a material with one of the 5.* classifications

Depending on the weight of the component, the Parts Marking question may be optional or mandatory. If the component does not meet the above criteria, the Parts Marking question will not be available. When a new or edited unreleased MDS or module fits the Parts Marking criteria, an additional question appears in the details of the material's parent component. If the answer is mandatory, the question must be answered before the user may release the MDS/module internally or send/propose it to a recipient. If the entry is mandatory and the answer is "No" the user will receive a warning message.

This is the screen of a newly created MDS with an additional explaining text regarding Marking of Polymeric Parts.

Clicking on the Question mark symbol leads to the following screen with a more detailed explanation of Polymeric Parts Marking.
To correctly answer the question, someone needs to review the design drawing and the physical part. The tree must be evaluated to select the appropriate response. Any of the options may be applicable. When a component is added to a component tree by a reference to a material of and appropriate classification, the parent of the attached component is a parts-marking candidate. This is the result of the parent relationship with the material. In this case, the parts marking information must be entered for the top component.

Yes should be selected, if the actual physical part has been marked. No should be chosen, if there is a parts marking requirement on the design drawing, but the part is not marked. Not Applicable can be selected, if weight, dimensioning, or surface does not permit marking.

When a referenced node contains a material of the relevant classification, but is not a component (for example a semi-component), parts marking information must be entered for the parent component. The IMDS check window will indicate an error, which will prevent the MDS/module from being released, if the parts marking candidate fulfills one of the following conditions:

- The part contains materials with the classifications 5.1, 5.1.a, 5.1.b, 5.4.x and 5.5.x that sum to a weight of more than 100g.
- The part contains materials with the classifications 5.2 and 5.3 that sum to a weight of more than 200g.
Parts Marking Handling for newly created MDSs/Modules
(Handling since 2013 – Release 10.0)

With IMDS Release 10.0, the following values apply:

<table>
<thead>
<tr>
<th>Value</th>
<th>No</th>
<th>Not yet answered</th>
<th>No</th>
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<th>No</th>
<th>Not yet answered</th>
<th>No</th>
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</tbody>
</table>

If a component is a Parts Marking candidate (a component with a 5.* material classification) and the IMDS check window does not indicate an error, the parts marking information is optional.

Scenario 1) polymeric parts: weight <100g AND polymeric parts marking question not answered
Check result: Check successful; further processing may take place
Scenario 2) polymeric parts: >100g (class. 5.1x) or >200g (class. 5.3) AND Answer “No”
Check result:
Warning: Weight of contained polymeric materials requires polymeric parts marking question to be answered with “Yes” or “Not Applicable”.

Scenario 3) polymeric parts: weight >100g (class. 5.1x) or >200g (class. 5.3) AND polymeric parts marking question not answered
Check result: Error: Polymeric parts marking question has not been answered. All existing errors need to be eliminated before any further processing may take place.
When a parts marking candidate is copied (or if a new version is created), its parts marking information will also be copied. For components referencing a Material MDS of classification 5.x Parts Marking information is required. If the recipient of the MDS is an OEM, the Recipient Data tab contains a “Modify Parts Marking” section. The values in this section are pre-populated with the values of the Component MDS inside the tree. The Tier 1 supplier may overwrite the Parts Marking values as recipient-specific data. This data exists in parallel to the original values being part of the (referenced) Component MDS. One entry is permitted for each relevant Component MDS occurrence in the MDS. The parts marking settings can be changed with a pop-up menu. A reset function allows resetting to the original values from the MMDS reference in the tree. An 'Apply to all recipient OEMs' is available to apply the changes to the company-specific data of all OEMs in the recipient list of this MDS. The check procedure verifies if the parts marking entries being made in the recipient-specific area by the tier 1 supplier comply with the rules. For those references which produce a WARNING or ERROR message, the parts marking entries can be overwritten in the recipient specific screen.

Parts Marking Handling for old/released MDSs/Modules

Due to the changes which were necessary for implementation of the Parts Marking question, it is not possible to maintain parts marking information on MDSs that have been made productive prior to IMDS Release 3.0 (June 2005). That means, all MDSs/Modules that have been released before implementation of this function do not and will not have parts marking information attached.

For identification of such MDSs/Modules it is recommended to review the MDS ID version. All ID versions with numbers smaller than approx. ID: 28640000 can be seen as the ones prior to IMDS Release 3.0.

The IMDS check window will indicate a warning if the MDS/module to be released references a released MDS where the Parts Marking information is mandatory but is not answered (referenced datasheet was created prior to Release 3.0). The referencing MDS/module can be released. A future IMDS release may replace this warning with an error which will prevent the MDS/module from being released, yet a date for this conversion has not been determined.