



<p>H2020 – NMP PILOT 02</p> <p>Integration of novel nano materials into existing production lines</p>	
<p>Title: Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines</p> <p>Acronym: OptiNanoPro</p> <p>Grant Agreement No: 686116</p> <div style="text-align: center;">  </div>	
Deliverable 1.3	Definition of target properties
Associated WP	WP1 Industry specifications
Associated Task(s)	Task 1.3 Definition of target properties
Due Date	01/02/2016
Date Delivered	29/02/2016
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Dissemination Level	CO

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Publishable Executive Summary

This deliverable, *D1.3 Definition of target properties*, is part of the work carried out in WP1, *Industry specifications*, of the EU- funded NMP Pilot project OptiNanoPro, *Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines*. The project aims at introducing nanotechnology in industrial product lines and validates the nano-enabled products through 4 types of demonstrators: a self-cleaning solar panel (OPV), a barrier injected packaging, easy-emptying and/or barrier laminated tubes, a light weight car door panel. The aim of this task 1.3 was the establishment of technical specifications for those demonstrators. As such in a first step the benchmark currently used (non- nano-enabled) materials of selected products were surveyed, in terms of composition and properties. This data collection also included the requirements of end-users and beside technical aspects also other specific market requirements. The target values meeting the project goals were finally derived and presented as technical data sheet for each of the demonstrators. This also includes the method of measurement that should be used in the validation phase (WP5-8) of the project to confirm that herein defined specifications are met. The results of Task 1.3 presented in this deliverable will be the technical fundament for the development and evaluation of the nano-enhanced products within the project OPTINANOPRO. This deliverable will be complemented by D1.5 in terms of process specifications.