

Data Sharing

Authority



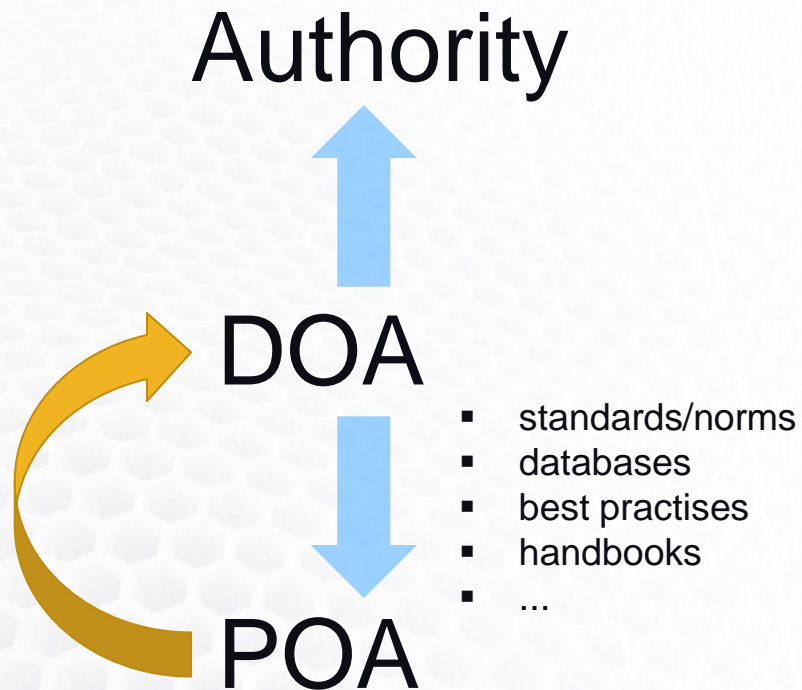
DOA



POA

- standards/norms
- databases
- best practises
- handbooks
- ...

Data Sharing



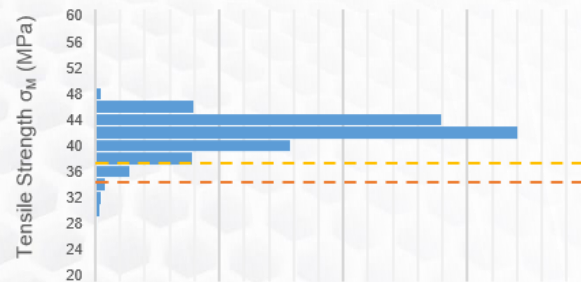
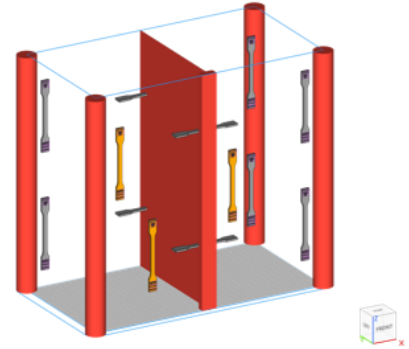
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Process PCD AERO_PA2241-FR
Material PA2241-FR
Machine Type EOS P760, P770
Test Method ISO527-2/A1

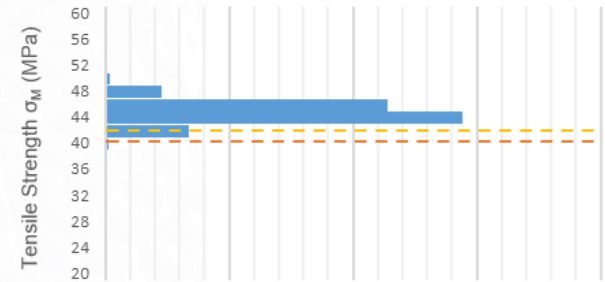
materialise
innovators you can count on

MECHANICAL PROPERTIES

Production Period 11/2019 to 10/2021
Measurements 1966 (ZX) & 635 (XY)
Production Builds 232
Raw Material Batches 8
Mixed Material Batches 128



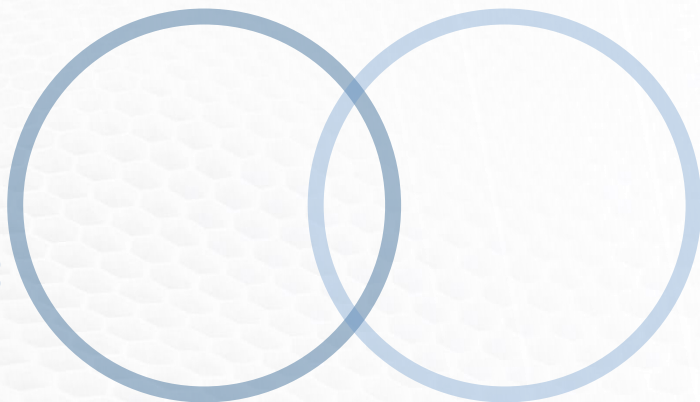
Tensile Strength σ_M (ZX)		avg	41,0 MPa
A-basis	34,7 MPa	median	41,3 MPa
B-basis	37,5 MPa	stdev	2,7 MPa



Tensile Strength σ_M (XY)		avg	43,8 MPa
A-basis	40,3 MPa	median	43,8 MPa
B-basis	41,9 MPa	stdev	1,5 MPa

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VERIFICATION
of end product/KC



VALIDATION
of process

IQ Installation Qualification
OQ Operational Qualification
PQ Performance Qualification

start from desired output:

Predetermined Quality Characteristics
for PROCESS validation