Calculated required thickness is not nominal wall thickness: NPS 6 example

Pipe Dimensions: OD, ID and Wall Thickness (WT)

Step	Illustrative value	Status	Result
Calculated minimum nominal wall	4.47 mm	Design need	Not yet a schedule
NPS 6 — SCH 10	3.40 mm	Below requirement	Reject
NPS 6 — SCH 40	7.11 mm	Above requirement	First common suitable choice in this example

Page note / source: The example shows that Schedule is not the calculation result; the calculated need must be matched to the standardized dimensional table. The full worked calculation is shown on the ASME B31.3 page.