

## CADS – Casting Alloy Data Search Tool

Version 3.0

Developed and Maintained By

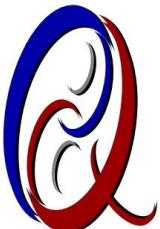
**Product Development & Analysis (PDA) LLC**

### *Disclaimer*

**Copyright 2022 PDA LLC and its licensors. All rights reserved.**

CADS<sup>®</sup> is a registered trademark. The software tool is developed and maintained by PDA LLC based on the outcome of various AFS (American Foundry Society Inc.) research projects including the industry best practice data shared by the foundry and research partners including OEM members of AFS. Casting Alloy Data Search (CADS) is a tool to assist design and foundry engineers with comprehensive cast alloy engineering properties with pedigree information such as: section thickness, typical chemical composition, type of molding material, casting process processing parameters used etc. Alloy properties are developed using modern methods and applicable standards. The database is being continuously appended with data generated through various AFS funded research projects under the review of technical committees. Currently there are limited alloy grades in various categories with limited properties and as we generate more data, we will append to the CADS database on an on-going basis.

User uses its own discretion for the use of the output and results from the CADS tool. *Product Development & Analysis LLC (referred to as PDA) brings combined experience of over 35 years of contract research; product development, redesign, value engineering, reverse engineering, failure analysis of complex metal cast components utilizing state of the art computer aided engineering tools such as CAD, FEA, CFD, manufacturing process simulation and rapid prototyping. PDA and AFS HAVE NO CONTROL OF THE MANUFACTURING AND/OR OF ACTUAL END USE OF COMPONENTS DESIGNED UTILIZING OUTPUT DATA FROM CADS TOOL AND CAN TAKE NO RESPONSIBILITY OR LIABILITY FOR SUITABILITY FOR THEIR END USE. PDA AND AFS CAN TAKE NO RESPONSIBILITY OR LIABILITY ON ERRORS OR BUGS IN CADS SOFTWARE TOOL DATA WHEN USED FOR THE ANALYSIS OR IN THE PARTS/PRODUCTS MANUFACTURED. IT IS EXPRESSLY AGREED THAT NO WARRANTY OF MERCHANTABILITY, OR FITNESS FOR USE, NOR ANY OTHER WARRANTY EXPRESSED OR IMPLIED IS MADE BY PDA AND AFS HEREUNDER. Please note that PDA and AFS do not carry any liability insurance whatsoever.*



Product Development  
Analysis

**CADS V3.0 – Casting Alloy Data Selector Tool**

