

Inventor iProperty API Data Chart

PROPERTY SET INFORMATION

Item #	Name	DisplayName	InternalName	Associated Enum	Count
1	Inventor Summary Information	Summary Information	{F29F85E0-4FF9-1068-AB91-08002B27B3D9}	PropertiesForSummaryInformationEnum	8

PROPERTY INFORMATION

Item #	Name	Display Name	PropID	Enum Value	Enum Name	Notes	Data Type
1	Title	Title	2	2	kTitleSummaryInformation	Editable ; UI on Summary Tab	String
2	Subject	Subject	3	3	kSubjectSummaryInformation	Editable ; UI on Summary Tab	String
3	Author	Author	4	4	kAuthorSummaryInformation	Editable ; UI on Summary Tab	String
4	Keywords	Keywords	5	5	kKeywordsSummaryInformation	Editable ; UI on Summary Tab	String
5	Comments	Comments	6	6	kCommentsSummaryInformation	Editable ; UI on Summary Tab	String
6	Last Saved By	Last Saved By	8	8	kLastSavedBySummaryInformation	No UI	String
7	Revision Number	Revision Number	9	9	kRevisionSummaryInformation	Editable ; UI on Project Tab	String
8	Thumbnail	Thumbnail	17	17	kThumbnailSummaryInformation	No UI	IPictureDisp

PROPERTY SET INFORMATION

Item #	Name	DisplayName	InternalName	Associated Enum	Count
2	Inventor Document Summary Information	Document Summary Information	{D5CDD502-2E9C-101B-9397-08002B2CF9AE}	PropertiesForDocSummaryInformationEnum	3

PROPERTY INFORMATION

Item #	Name	Display Name	PropID	Enum Value	Enum Name	Notes	Data Type
1	Category	Category	2	2	kCategoryDocSummaryInformation	Editable ; UI on Summary tab	String
2	Manager	Manager	14	14	kManagerDocSummaryInformation	Editable ; UI on Summary tab	String
3	Company	Company	15	15	kCompanyDocSummaryInformation	Editable ; UI on Summary tab	String

PROPERTY SET INFORMATION

Item #	Name	DisplayName	InternalName	Associated Enum	Count
3	Design Tracking Properties	Design Tracking Properties	{32853F0F-3444-11d1-9E93-0060B03C1CA6}	PropertiesForDesignTrackingPropertiesEnum	54

PROPERTY INFORMATION

Item #	Name	Display Name	PropID	Enum Value	Enum Name	Notes	Data Type
1	Creation Time	Date Created	4	4	kCreationDateDesignTrackingProperties	Editable ; UI on Project tab	Date
2	Part Number	Part Number	5	5	kPartNumberDesignTrackingProperties	Editable ; UI on Project tab	String
3	Project	Project	7	7	kProjectDesignTrackingProperties	Editable ; UI on Project tab	String
4	Cost Center	Cost Center	9	9	kCostCenterDesignTrackingProperties	Editable ; UI on Project tab	String
5	Checked By	Checked By	10	10	kCheckedByDesignTrackingProperties	Editable ; UI on Status tab	String
6	Date Checked	Date Checked	11	11	kDateCheckedDesignTrackingProperties	Editable ; UI on Status tab	Date
7	Engr Approved By	Engr Approved By	12	12	kEngrApprovedByDesignTrackingProperties	Editable ; UI on Status tab	String
8	Engr Date Approved	Date Eng Approved	13	13	kDateEngrApprovedDesignTrackingProperties	Editable ; UI on Status tab	Date
9	User Status	User Status	17	17	kUserStatusDesignTrackingProperties	Editable ; UI on Status tab	String
10	Material	Material	20	20	kMaterialDesignTrackingProperties	Read Only ; UI in Material command	String
11	Part Property Revision Id	Part Revision	21	21	kPartPropRevidDesignTrackingProperties	Editable ; No UI ; GUID type String	String
12	Catalog Web Link	Catalog web link	23	23	kCatalogWebLinkDesignTrackingProperties	Editable ; UI on Project tab	String
13	Part Icon	Part Icon	28	28	kPartIconDesignTrackingProperties	Read Only ; No UI ; NULL value when not present	IPictureDisp
14	Description	Description	29	29	kDescriptionDesignTrackingProperties	Editable ; UI on Project tab	String
15	Vendor	Vendor	30	30	kVendorDesignTrackingProperties	Editable ; UI on Project tab	String
16	Document SubType	Part Type	31	31	kDocSubTypeDesignTrackingProperties	Read Only ; No UI ; GUID type String	String
17	Document SubType Name	Part Type name	32	32	kDocSubTypeNameDesignTrackingProperties	Read Only ; No UI (readable, not code or GUID)	String
18	Proxy Refresh Date	Date proxy refreshed	33	33	kProxyRefreshDateDesignTrackingProperties	Read Only ; No UI (if Proxy file, last Refresh date)	Date
19	Mfg Approved By	Mfg Approved By	34	34	kMfgApprovedByDesignTrackingProperties	Editable ; UI on Status tab	String
20	Mfg Date Approved	Date Mfg Approved	35	35	kDateMfgApprovedDesignTrackingProperties	Editable ; UI on Status tab	Date
21	Cost	Cost	36	36	kCostDesignTrackingProperties	Editable ; UI on Project tab ; Currency	Double
22	Standard	Standard	37	37	kStandardDesignTrackingProperties	Editable ; No UI ; Can be Null (empty String)	String
23	Design Status	Design Status	40	40	kDesignStatusDesignTrackingProperties	Editable ; UI on Status ; Default is 0 (Not set)	Long
24	Designer	Designer	41	41	kDesignerDesignTrackingProperties	Editable ; UI on Project tab	String
25	Engineer	Engineer	42	42	kEngineerDesignTrackingProperties	Editable ; UI on Project tab	String
26	Authority	Authority	43	43	kAuthorityDesignTrackingProperties	Editable ; UI on Project tab	String
27	Parameterized Template	Parameterized Template	44	44	kParameterizedTemplateDesignTrackingProperties	Read Only ; No UI ; Default = False	Boolean
28	Template Row	Template Row	45	45	kTemplateRowDesignTrackingProperties	Read Only ; No UI ; GUID type String	String
29	External Property Revision Id	External Part Revision	46	46	kExternalPropRevidDesignTrackingProperties	Editable ; No UI ; GUID type String	String
30	Standard Revision	Standard Revision	47	47	kStandardRevisionDesignTrackingProperties	Editable ; No UI ; applicable when Standard is set	String
31	Manufacturer	Manufacturer	48	48	kManufacturerDesignTrackingProperties	Editable ; No UI	String
32	Standards Organization	Standards Organization	49	49	kStandardsOrganizationDesignTrackingProperties	Editable ; No UI	String
33	Language	Language	50	50	kLanguageDesignTrackingProperties	Read Only ; No UI	String
34	Defer Updates	Defer Updates	51	51	kDrawingDeferUpdateDesignTrackingProperties	Editable ; No UI ; Default = False	Boolean
35	Size Designation	Size Designation	52		(no Enum)		String
37	Stock Number	Stock Number	55	55	kStockNumberDesignTrackingProperties	Editable ; UI on Project tab	String
36	Categories	Categories	56	56	kCategoriesDesignTrackingProperties	Read Only ; No UI ; XML String	String
38	Weld Material	Weld Material	57	57	kWeldMaterialDesignTrackingProperties	Read Only ; No UI ; name of weld bead material	String
39	Mass	Mass	58	58	kMassDesignTrackingProperties	Read Only ; No UI ; Default = -1	Double
40	SurfaceArea	SurfaceArea	59	59	kSurfaceAreaDesignTrackingProperties	Read Only ; No UI ; Default = -1	Double
41	Volume	Volume	60	60	kVolumeDesignTrackingProperties	Read Only ; No UI ; Default = -1	Double
42	Density	Density	61	61	kDensityDesignTrackingProperties	Read Only ; No UI ; Default = -1	Double
43	Valid MassProps	Valid MassProps	62	62	kValidMassPropsDesignTrackingProperties	Read Only ; No UI ; Default = 0 (BitFlags)	Long
44	Flat Pattern Width	FlatPatternExtentsWidth	63	63	kFlatPatternExtentsWidthDesignTrackingProperties	Read/Write ; No UI ; Flat Pattern Width in cm	Double
45	Flat Pattern Length	FlatPatternExtentsLength	64	64	kFlatPatternExtentsLengthDesignTrackingProperties	Read/Write ; No UI ; Flat Pattern Length in cm	Double
46	Flat Pattern Area	FlatPatternExtentsArea	65	65	kFlatPatternExtentsAreaDesignTrackingProperties	Read/Write ; No UI ; Flat Pattern Area in cm^2	Double
47	Sheet Metal Rule	SheetMetalRule	66	66	kSheetMetalRuleDesignTrackingProperties	Read Only ; No UI ; name of sheet metal rule used	String
48	Last Updated With	LastUpdatedWith	67	67	kLastUpdatedWithDesignTrackingProperties	Read Only ; UI on Detail tab ; Inv. version # & build	String
49	Sheet Metal Width	SheetMetalWidth	68		(no Enum)		String
50	Sheet Metal Length	SheetMetalLength	69		(no Enum)		String
51	Sheet Metal Area	SheetMetalArea	70		(no Enum)		String
52	Material Identifier	Material Identifier	71	71	kMaterialIdentifierDesignTrackingProperties	Read/Write ; Flat Pattern Area in Document Units	String
53	Appearance	Appearance	72	72	kAppearanceDesignTrackingProperties	Read Only ; No UI ; mat lib path concat w/ mat name	String
54	Flat Pattern Defer Update	Flat Pattern Defer Update	73	73	kFlatPatternDeferUpdateDesignTrackingProperties	Editable ; No UI ; Default = False	Boolean

PROPERTY SET INFORMATION

Item #	Name	DisplayName	InternalName	Associated Enum	Count
4	Inventor User Defined Properties	User Defined Properties	{D5CDD505-2E9C-101B-9397-08002B2CF9AE}	PropertiesForUserDefinedPropertiesEnum	0

PROPERTY INFORMATION

Item #	Name	Display Name	PropID	Enum Value	Enum Name	Notes	Data Type
			0		kDummyUserDefinedProperties	Editable ; UI on Custom tab of iProperties dialog	

The 'Inventor User Defined Properties' (or 'Custom') PropertySet is empty (contains no iProperties) by default. When you create new iProperties within, you can specify Value, Name, & PropID (and later DisplayName). The Data Type of each iProperty created is automatically determined by the Type of data you set as its Value.

PROPERTY SET INFORMATION

Item #	Name	DisplayName	InternalName	Associated Enum	Count
5	Content Library Component Properties	Content Library Component Properties	{B9600981-DEEB-4547-8D7C-E525B3A1727A}	PropertiesForContentLibraryEnum	10

PROPERTY INFORMATION

Item #	Name	Display Name	PropID	Enum Value	Enum Name	Notes	Data Type
1	Component Type	Family	3	3	kComponentTypeContentLibrary	(DELETED)	Integer
2	Family	Family	6	6	kFamilyContentLibrary	Read Only ; No UI	String
3	FamilyId	FamilyId	17	17	kFamilyIdContentLibrary	Read Only ; No UI ; InternalName of Family	String
4	Family Revision	Family Revision	9	9	kFamilyRevisionContentLibrary	Read Only ; No UI ; (info seems like nonsense)	String
5	Family Revision Time	Family Revision Time	18	18	kFamilyRevisionTimeContentLibrary	Read Only ; No UI ; Last Modified Data/Time	Date
6	Family Folder	Family Folder	19	19	kFamilyFolderContentLibrary	Read Only ; No UI	String
7	Member	(none)	7	7	kMemberContentLibrary	(DELETED)	
8	MemberId	MemberId	20	20	kMemberIdContentLibrary	Read Only ; No UI ; Row ID of member	Integer
9	Member Revision	(none)	8	8	kMemberRevisionContentLibrary	(unreadable/nonsense, maybe CLSID or something)	String
10	Member FileName	Member FileName	21	21	kMemberFileNameContentLibrary	Read Only ; No UI ; (assigned by CC)	String

PROPERTY SET INFORMATION

Item #	Name	DisplayName	InternalName	Associated Enum	Count
6	ContentCenter	ContentCenter	{ABDA74AD-E927-4CE3-AA83-A5F6EFC3B75}		1

PROPERTY INFORMATION

Item #	Name	Display Name	PropID	Enum Value	Enum Name	Notes	Data Type
1	IsCustomPart	IsCustomPart	3				Integer