Supported STEP entities

This table lists the STEP entities that are supported by Autodesk Moldflow Adviser

STEP entity classes	Parasolid entity	
Topology		
MANIFOLD_SOLID_BREP	PK_BODY_t	---
CLOSED_SHELL	PK_SHELL_t	---
ADVANCED_FACE	PK_FACE_t	---
EDGE_LOOP	PK_LOOP_t	---
ORIENTED_EDGE	PK_FIN_t	---
EDGE_CURVE	PK_EDGE_t	---
VERTEX	PK_VERTEX_t	---
Geometry		
CARTESIAN_POINT	PK_POINT_sf_t	---
LINE	PK_LINE_sf_t	---
CIRCLE	PK_CIRCLE_sf_t	---
ELLIPSE	PK_ELLIPSE_sf_t	---
PARABOLA	PK_BCURVE_sf_t	With vertex_dim=4 in Parasolid
HYPERBOLA	PK_BCURVE_sf_t	With vertex_dim=4 in Parasolid
PLANE	PK_PLANE_sf_t	---
CYLINDRICAL_SURFACE	PK_CYL_sf_t	---
CONICAL_SURFACE	PK_CONE_sf_t	---
SPHERICAL_SURFACE	PK_SPHERE_sf_t	---
TOROIDAL_SURFACE	PK_TORUS_sf_t	---
Spline Curves		
UNIFORM_CURVE	PK_BCURVE_sf_t	With vertex_dim = 3 in Parasolid
QUASI_UNIFORM_CURVE	PK_BCURVE_sf_t	-do-
BEZIER_CURVE	PK_BCURVE_sf_t	-do-
B_SPLINE_CURVE_WITH_KNOTS	PK_BCURVE_sf_t	-do-
NURBS	PK_BCURVE_sf_t	With vertex_dim = 4 in Parasolid
TRIMMED_CURVE	CURVE_t	Base curve is mapped which gets trimmed by the boundary vertices in Parasolid
SURFACE_CURVE	CURVE_t or PK_SPCURVE_t	
INTERSECTION_CURVE	CURVE_t	Only the curve is mapped to corresponding curve in Parasolid
PCURVE	PK_SPCURVE_t	---
Spline surfaces		
B_SPLINE_SURFACE_WITH_KNOTS	PK_BSURF_sf_t	With vertex_dim = 3 in Parasolid
UNIFORM_SURFACE	PK_BSURF_sf_t	-do-
QUASI_UNIFORM_SURFACE	PK_BSURF_sf_t	-do-
BEZIER_SURFACE	PK_BSURF_sf_t	-do-
NURBS	PK_BSURF_sf_t	With vertex_dim = 4 in Parasolid
Others		
SURFACE_OF_LINEAR_EXTRUSION	PK_SWEPT_sf_t	---
SURFACE_OF_REVOLUTION	PK_SPUN_sf_t	---
CURVE_BOUNDED_SURFACE	PK_BODY_t	
RECTANGULAR_TRIMMED_SURFACE	PK_BODY_t	
SHELL_BASED_SURFACE_MODEL	PK_BODY_t	
FACETED_BREP	PK_BODY_t	
OFFSET_SURFACE	PK_OFFSET_sf_t	

OFFSET_SURFACE	PK_OFFSET_sf_t
BLEND	PK_BSURF_sf_t
SPUN_SURFACE	PK_SPUN_sf_t

Parent topic:

Was this information helpful? Yes No