



Galaxy Plastics Ltd.

C900 / C905 Pressure Fittings

Material Specifications

Scope:

This letter covers the material specifications for PVC pipe used to fabricate C900/C905 fittings. Galaxy Plastics offers PVC C900/C905 fittings for use in sewer force mains, potable water and other pressure applications in the following nominal sizes and DR ratings:

4" through 12" (100mm-300mm) C900 DR18 (235psi)

14" through 24" (350mm-600mm) C905 DR18 (235psi) & DR25 (165psi)

30" through 36" (750mm-1050mm) C905 DR25 (165psi) & DR41 (100psi)

42" through 48" (1050mm-1200mm) C905 DR41 (100psi)

Galaxy Plastics products meet or exceed performance standards set out by American Society for Testing Materials (ASTM), American Water Works Association (AWWA), National Science Foundation International (NSF), and Canadian Standards Associations (CSA).

Materials:

PVC extruded pipe used in the manufacturing of Galaxy Plastics fittings complies with :

- ASTM D1784 "*Standard Specifications for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*" having cell classification 12454.
- Gaskets used by Galaxy Plastics confirm to ASTM F477 "*Standard Specifications for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*".

Performance:

Galaxy Plastics fabrications C900/C905 fittings conform to the following standards:

- AWWA C900 "*Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings 4" through 12" for Water Transmission and Distribution*"
- AWWA C905 "*Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings 14" through 48"*"
- NSF 61 "*Drinking Water Systems Components – Health Effects*"

Galaxy Plastics fabricated fittings have been third party tested to meet or exceed CSA B137.3 "*Rigid Poly(Vinyl Chloride) (PVC) Pipe for Pressure Applications*" up to and including 36".

Colour Coding:

Galaxy Plastics fabricated C900/C905 fittings are colour coded as follows:

C900 DR18 – Blue

C905 DR18 – Blue

C905 DR25 – Blue

C905 DR41 – White