Inquiry: Under what conditions may Nylon 6 be used as a hard bearing gasket or conical insert in NEMO type windows (see PVHO-1 Fig.2-2.10.1-8) under PVHO-1 Safety Standard (2016 ed.)?

Reply: It is the opinion of the Committee that Nylon 6 need not comply with the compressive deformation criteria contained in Table 2-2.14.13-2 provided the following conditions are met:

1. The material shall be cast unfilled monolithic Nylon 6 meeting the criteria of ASTM D5989 Standard Specification for Extruded and Monomer Cast Shapes Made From Nylon (PA), grade designation S-PA0211.

2. The NEMO window shall have a maximum design temperature of not greater than 70°F (24°C).

3. The designer shall consider the effects of creep on the hard bearing gasket or conical insert in the design of the PVHO under the worst-case combined action of pressure and temperature as experienced under operating conditions utilizing the nominal performance data for nylon properly conditioned for the intended application.