



Origin of Manufacture

Parker Hannifin Corporation
Quick Coupling Division
Minneapolis, MN

Prepared by: Marc Rindels
Date Prepared: 3/15/19

To Whom It May Concern:

Parker Hannifin Corporation, Quick Coupling Division hereby certifies the shelf life of the following materials per Parker Specification DS1101, when stored in accordance with SAE APR5316.

5 years from cure date or seal manufacture date: Polyurethane (Polyester or Polyether, AU / EU).

12 years from cure date or seal manufacture date: Thermal Plastic Urethane.

15 years from cure date or seal manufacture date: Nitrile (Buna-N or NBR), Hydrogenated Nitrile (HNBR or HSN), Neoprene, Polyacrylate (ACM), Butadiene (BR), Styrene Butadiene (Buna-S or SBR).

Unlimited from cure date or seal manufacture date: Tetrafluoroethylene Propylene (Aflas), Butyl Rubber (IIR), Ethylene Propylene (EPDM or EP), Fluorocarbon (FKM), Perfluorinated elastomer, Silicone, Polytetrafluorethylene (PTFE), Hifluor (V, HF), Parofluor / Perfluoroelastomer (V, FF), Fluorosilicone (L).

A handwritten signature in black ink, appearing to read "Marc Rindels", written over a horizontal line.

Marc Rindels, Quality Manager
Parker QCD