ORD New Solutions

Silicone Manufacturing Cell

Manufacturing silicone and fluorosilicone materials can be a challenge. For this reason, Parker O-Ring Division has a dedicated silicone cell located in the Matamoros, Mexico facility. This dedicated cell has provided a remarkable level of performance in meeting customer expectations. The cell has continuously exceeded 95% on time delivery with single-digit past due line items and has nearly zero customer returns. This is even more remarkable since the division has nearly tripled the amount of business in this manufacturing cell over the last 12 months.

Benefits of having a dedicated cell:

- Eliminates contamination and mixed parts
- Allows operators to focus on the intricacies of molding these unique materials
- Specially modified manufacturing techniques
- More competitive pricing
- Delivery and quality improvements

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NADCAP Quality Systems Audit

Parker O-Ring Division's Matamoros, Mexico facility has completed the annual NADCAP Quality Systems Audit with no findings. This is a tremendous achievement. NADCAP, formerly known as the National Aerospace and Defense Contractors Accreditation Program, provides independent certification for aerospace industry manufacturing processes. Created by PRI (Performance Review Institute), it is designed to replace individual customer quality audits and provides the highest quality standard in the industry. Very few seal manufacturers meet the requirements of NADCAP which is required to produce several common AMS specifications such as AMS 7276, AMS 7259, AMS-P-5315, and AMS-R-83461.




PHConnect: An SCR Change to Make Processing Orders Easier

In an effort to make ordering military specified parts more convenient, Parker has revised the PHConnect ordering system so that distributors no longer have to enter SCR (Special Customer Requirement) numbers. In the past, this was required in order for customers to receive the appropriate test reports and parts associated with a particular aerospace industry specification. Now all distributors need to do is to enter the Parker aerospace part number and the system will do the rest.

Additionally, the division's internal system has been modified with a similar change. All mil-spec parts must have a test report before parts are allowed to move from the manufacturing floor into the warehouse. The system will not allow labels to be created for the aerospace parts unless the lab has successfully tested the parts. Once moved to the warehouse, the shipping system also checks each bag of parts being shipped to ensure testing has been done before the shipment is processed.

While the system will speed up the ordering process, it is important to be mindful of the parts being ordered. Each industry specification has a corresponding Parker part number that should be ordered to. This is a crucial part of the ordering process because if the wrong part is entered, testing will not accompany the order. Listed below is a table with industry specifications, Parker's part numbers, and the corresponding test report charges. For further questions or concerns, please contact your customer service representative.

Compound	Industry Specification	2-xxx O-ring Part Numbers	3-xxx O-ring Part Numbers	How to Order	Test Charge
Acrylonitrile-Butadiene (NBR)					
N0304-75	MIL-P-25732	MS28775	AS568	N0304 MS28775-XXX	NO CHARGE
N0756-75	AMS-R-83461	M83461/1	M83461/1	N0756 A83461-XXX	$25.00
N0602-70	AMS-P-5315	MS29513	MS29512	N0602 A5315-XXX	$25.00
47-071	AMS-R-7362	MS29561	NAS 617	47071 A7362-XXX	$25.00
N0287-70	AMS 7272	AS3551	AS3551	N0287 A7272-XXX	$250.00
N0674-70	MIL-G-21569 Class 1	AS568	AS568	N0674 M21569-XXX	$175.00
N0507-90	AMS-P-5510	AS568	MS28778	N0507 A5510-XXX	$25.00
NM506-65	AMS 7271	AS3578	AS3578	NM506 A7271-XXX	$25.00
N0545-40	AMS 3201	AS568	AS568	N0545 A3201-XXX	$25.00
N0299-50	AMS 3205	AS568	AS568	N0299 A3205-XXX	$25.00
Ethylene Propylene (EP)					
E0515-80	NAS 1613 Rev 2 MIL-P-82744 (Inactive)	NAS 1611 AS568	NAS 1612 AS568	E0515 2-XXX-BO/1W2Y E0515 M82744-XXX/1W2Y	NO CHARGE $200.00
E1267-80	NAS 1613 Rev 5	NAS 1611	NAS 1612	E1267 N1613-XXX	NO CHARGE

Aerospace Industry Specifications with Parker Part and Pricing

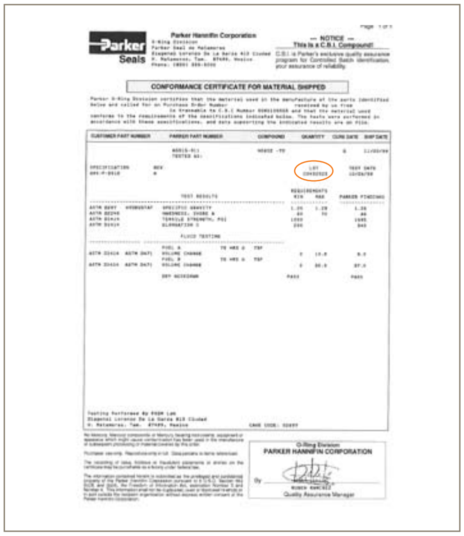
Compound	Industry Specification	2-xxx O-ring Part Numbers	3-xxx O-ring Part Numbers	How to Order	Test Charge
Polychloroprene (CR)					
C0267-50	AMS 3208	AS568	AS568	C0267 A3208-XXX	$25.00
C1124-70	AMS 3209	AS568	AS568	C1124 A3209-XXX	$25.00
Butyl (IIR)					
B0318-70	AMS 3238	AS568	AS568	B0318 A3238-XXX	$25.00
Fluorosilicone (FVMQ)					
LM158-60	MIL-DTL-25988 Type 1 Class 1 Grade 60 AMS 3325	M25988/3 AS568	M25988/3 AS568	LM158 M25988-XXX LM158 A3325-XXX	NO CHARGE NO CHARGE
LM159-70	MIL-DTL-25988 Type 1 Class 1 Grade 70	M25988/1	M25988/1	LM159 M25988-XXX	NO CHARGE
L1077-75	MIL-DTL-25988 Type 1 Class 1 Grade 75	M25988/2	M25988/2	L1077 M25988-XXX	NO CHARGE
LM160-80	MIL-DTL-25988 Type 1 Class 1 Grade 80	M25988/4	M25988/4	LM160 M25988-XXX	NO CHARGE
Silicone (VMQ)					
S0469-40	AMS 3301 A-A-59588 Class 2a, 2b, Grade 40	AS568 AS568	AS568 AS568	S0469 A3301-XXX S0469 ZZR765-XXX	$25.00 $25.00
S0595-50	AMS 3302	AS568	AS568	S0595 A3302-XXX	$25.00
S0899-50	A-A-59588 Class 1a, 1b, 2a, 2b, Grade 50	AS568	AS568	S0899 ZZR765-XXX	$25.00
S0613-60	AMS 3303 A-A-59588 Class 2b, Grade 60	AS568 AS568	AS568 AS568	S0613 A3303-XXX S0613 ZZR765-XXX	$25.00 $25.00
S0383-70	AMS 3337 A-A-59588 Class 1a, 1b, Grade 70	AS568 AS568	AS568 AS568	S0383 A3337-XXX S0383 ZZR765-XXX	$25.00 $25.00
S0604-70	AMS 3304 AMS 3357 & AMS 3304 (*dual certification) MIL-G-21569 Class 2 A-A-59588 Class 2a, 2b, Grade 70	AS3582 AS3582 AS568 AS568	AS3582 AS3582 AS568 AS568	S0604 A3304-XXX S0604 A3357-XXX S0604 M21569-XXX S0604 ZZR765-XXX	$25.00 $50.00 $175.00 $25.00
S1224-70	AMS 3304 AMS 3357 & AMS 3304 (*dual certification) MIL-G-21569 Class 2 A-A-59588 Class 2a, 2b, Grade 70	AS3582 AS3582 AS568 AS568	AS3582 AS3582 AS568 AS568	S1224 A3304-XXX S1224 A3357-XXX S1224 M21569-XXX S1224 ZZR765-XXX	$25.00 $50.00 $175.00 $25.00
S0355-75	AMS 7267	MS9386	MS9385	S0355 A7267-XXX	$25.00
S0614-80	AMS 3305 A-A-59588 Class 2a, 2b, Grade 80	AS568 AS568	AS568 AS568	S0614 A3305-XXX S0614 ZZR765-XXX	$25.00 $25.00
Fluorocarbon (FKM)					
VM835-75	AMS-R-83485	M83485/1	M83485/1	VM835 M83485-XXX	NO CHARGE
V1164-75	AMS 7276 & AMS-R-83248 (*dual certification)	AS3209	AS3208	V1164 A7276-XXX	NO CHARGE
V1226-75	AMS 7276 & AMS-R-83248 (*dual certification)	AS3209	AS3208	V1226 A7276-XXX	NO CHARGE
V1289-75	AMS 7379	AS568	AS568	V1289 A7379-XXX	$25.00
V0747-75	AMS-R- 83248 Type 1 Class 1	M83248/1	M83248/1	V0747 M83248-1-XXX	$25.00
V0709-90	AMS 7259 & AMS-R-83248 (*dual certification) AMS-R- 83248 Type 1 Class 2	AS3581 M83248/2	AS3581 M83248/2	V0709 A7259-XXX V0709 M83248-2-XXX	$50.00 $25.00
Tetrafluoroethylene-Propylene (TFE/P)					
V1006-75	AMS 7255	AS568	AS568	V1006 A7255-XXX	NO CHARGE
Perfluoroelastomer (FFKM)					
FF200-75	AMS 7257	AS568	AS568	FF200 A7257-XXX	NO CHARGE
V8545-75	AMS 7257	AS568	AS568	V8545 A7257-XXX	NO CHARGE

*In order to receive dual certification, part must be ordered as to AMS 7276 OR A7259 specification. Ordering to AMS-R-83248 will not provide dual certification.

On items listed with a $25.00 test charge, the test charge will be waived if an order for $200.00 or more is placed per item per release.

Document source:
MIL, MS, AN, ZZ-R, and A-A documents can be viewed at http://assist.daps.dla.mil by clicking on quick search and entering the document number. AMS, AS, and MA documents are copyright protected and must be purchased from SAE (www.sae.org). NAS documents are copyright protected and must be purchased from AIAA (www.aia-aerospace.org).

ORD Offers Lot Number Traceability on Every Part Manufactured by the Division!



Parker O-Ring Division is now publishing the lot number associated with each one of our US and Mexico production runs on both test reports and packing slips. This allows each O-ring we make to be traced back to a specific job number on the manufacturing floor. In the past, customers had no way to identify the lot number if they had multiple shipments of the same part number from the same batch. Now this information will be listed on both test reports and packing slips. This value added feature allows customers to know when they are receiving multiple lot numbers as well as track and perform their own in -house lot testing. If ever needed, it will also allow for more effective quarantining by quarantining only a lot and not an entire batch. We believe we are the first seal manufacturer in the industry to provide lot number traceability to every part manufactured in our facility.

FF580-75 Parofluor ULTRA™ O-Rings: Outstanding Broad Chemical Resistance

For industries and applications where chemical resistance is the primary concern, Parker compound FF580-75 excels. This black, 75 durometer, perfluorinated elastomer was developed for use in the harshest operating conditions, where good thermal stability (up to 275°C) and extreme chemical resistance is a requirement.

FF580-75 has excellent compatibility for use in bases, amines, steam, ethylene oxide, acids and many other aggressive chemicals. Because of this, it is well suited for the CPI, EOG, paint spray and general industrial markets.

Comments and Suggestions

For suggestions, success stories or topic ideas on this or other ORD communications, contact Samantha Sexton at 859-268-5075, ssexton@parker.com or mail your ideas to:

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