

# Problem Solved!

## PARKER'S MEDICAL GRADE, 75 DUROMETER EPDM, E0740-75



### Application

EPDM O-ring in a dental tool application.

### Problem

The customer was using a 75 durometer, FDA grade nitrile O-ring but wanted to switch to a medical grade option. Originally, the customer tested Parker's medical grade, 70 durometer EPDM compound E3609-70. After further investigation, Parker recommended they use a 75 durometer medical grade option to increase the friction in their application.



**FEATURED** : Parker's USP Class VI approved material E0740-75.

### Parker Solution

Parker proposed compound E0740-75. It is a 75 durometer EPDM which recently acquired USP Class VI approval. The added hardness offered increased friction over compound E3609-70, and the USP Class VI approval qualified the material as medical grade.

The customer was pleased with the test results from E0740-75 and incorporated the compound into their application. E0740-75 was much cleaner, and unlike the FDA approved nitrile, it was USP Class VI approved. FDA approval is for food contact, whereas USP Class VI approval is for contact with fluids entering the human body (blood transfusions, insulin injections, etc.)

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### Contact

**Parker Hannifin**  
O-Ring Division  
2360 Palumbo Drive  
Lexington, Ky. 40509  
Phone: 859 335 5101  
Email: [ordmailbox@parker.com](mailto:ordmailbox@parker.com)  
[www.parkerorings.com](http://www.parkerorings.com)



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