

## TECHNICAL DATASHEET:

### 60 Durometer FDA Grade Industrial Nitrile

#### PRODUCT DESCRIPTION

60 durometer FDA grade solid nitrile, is an odorless, tasteless and non-toxic product that displays a natural resistance to bacterial growth.

#### TYPICAL APPLICATIONS

- Excellent gasket material for appliances, such as blenders, food processors, etc.
- Excellent resistance to oil where food items are present (animal fat and vegetable oil)
- Dairy 3A certified for milk production
- General gaskets, counter tops, non-slip pads and skirting used in food processing
- Butcher shops, pharmaceutical processing, commercial kitchens, hospitals, food processing plants, cosmetics industry, industrial plants and grocery stores

#### PRODUCT FEATURES & BENEFITS

- Meets FDA 21 CFR 177.2600
- Excellent resistance to petroleum-based hydraulic fluids
- Very good resistance to alkalis and acids
- White color easily visible in most applications

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/16", 3/32", 1/8", 3/16", 1/4", 3/8", 1/2"	
COLOR	White	
FINISH	Smooth	
POLYMER	NBR / SBR	
DUROMETER/HARDNESS (SHORE A)	60	ASTM D2240
TENSILE STRENGTH	1,000 psi min.	ASTM D412
ULTIMATE ELONGATION	300% min.	ASTM D412
COMPRESSION SET, 22 HOURS @ 212°F	50% max.	ASTM D395B
SPECIFIC GRAVITY	1.4 gr/cc	
TEMPERATURE RANGE	-40°F to 200°F	
HARDNESS CHANGE AFTER HEAT AGING 70 HOURS @ 212°F	±15 points max.	ASTM D573
TENSILE HEAT AGING @ 70 HOURS @ 212°F	±30% max.	ASTM D573
ELONGATION CHANGE AFTER HEAT AGING 70 HOURS @ 212°F	-50% max.	ASTM D573
VOLUME CHANGE AFTER OIL AGING #3 70 HOURS @ 212°F	60% max.	ASTM D471
PETROLEUM-BASED HYDRAULIC FLUIDS RESISTANCE	Very Good	
FDA 21 CFR 177.2600	Pass	
ASTM D2000: 1BF610	Rated	

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. H-O will provide samples for this purpose at no charge. **REV. 0**