

## Technical Data

### Food Grade Rubber Sheets (FoodSafeNBR60 Pro)

### FoodSafeNBR60 Pro

**Model: RS-FOSA(P)-NBR14060**

**FoodSafeNBR60 Pro** is a food-grade nitrile rubber sheet specifically engineered for environments where contact with edible oils, fats, and mild cleaning chemicals is routine.

With its non-toxic, non-marking off-white surface, it supports hygiene compliance while delivering greater chemical compatibility than natural rubber.

The sheet remains flexible and durable under varying conditions, making it suitable for use in food processing zones that involve moderate grease, oil splashes, and cleaning cycles. It is ideal for applications like gaskets, padding, and protective liners in oil-prone food production and handling systems.

By offering a higher resistance to fats and cleaning agents, FoodSafeNBR60 Pro reduces material breakdown and contamination risks in grease-prone environments.

Its extended lifespan and chemical compatibility translate into fewer material failures, better safety audits, and lower replacement frequency—delivering higher value to facilities focused on hygiene-critical oil exposure zones.

### PRODUCT FEATURES



**Food-grade nitrile with oil resistance**

Ensures suitability for direct contact in dry food handling and packaging areas



**Smooth, non-marking finish**

Maintains hygiene and reduces contamination risk in food-contact zones



**Chemically compatible with cleaning agents**

Performs well during routine sanitation cycles involving diluted detergents or cleaning solutions.



**Flexible across temperature ranges**

Maintains sealing performance in both ambient and refrigerated food processing environments



**Resists swelling and surface wear**

Extends service life in semi-wet or oily applications, reducing downtime and material replacement



**Easy to cut and shape**

Allows quick adaptation into gaskets, pads, or machine contact surfaces for efficient maintenance and customization



### DID YOU KNOW?

Food-grade rubber must meet FDA 21 CFR 177.2600 standards, ensuring it does not impart taste or odor while resisting microbial growth—critical for food processing and packaging industries.

(Source: FDA Compliance Guidelines)



MEASURED PROPERTIES	TESTING STANDARD	SPECIFIED VALUES	OBSERVED VALUES	
PHYSICAL & MECHANICAL PROPERTIES				
Tensile Strength	ASTM D412	5.0 MPa (Min)	5.4 MPa	
Elongation at Break	ASTM D412	250% (Min)	259%	
Hardness	ASTM D2240	60° ± 5° Shore A	61° Shore A	
Specific Gravity	ASTM D297	1.40 ± 0.05	1.42	
Working Temperature	-	-10 °C to +90 °C	Conforms	
CHEMICAL RESISTANCE				
Ozone	Dilute Acids & Bases	Conc. Acids & Bases	Oils	Solvents
Fair	Good	Good	Good	Good
IDENTIFICATION				
Branding	Duratuf			
Colour	Off-White			
Grade	Pro			
Polymer	NBR			
Finish	Top & bottom plain			
Packaging	With white coloured HDPE woven fabric			
Labelling	Label indicating Product Name, Dimensions, Batch No., Mfg. Month & Year, Quantity, and Package No. to allow traceability			

Note: Manufacturing tolerance of ± 10% on thickness, ± 2% on width and length and ±10% on weight shall be applicable.

Applications	<ul style="list-style-type: none"> <li>Gaskets and seals in edible oil processing units</li> <li>Conveyor and workstation liners in meat or snack processing</li> <li>Cutting mats in food packaging where greases are present</li> <li>Splash guard sheets in oil-frying zones</li> <li>Food-safe pads under oil-based machinery or conveyors</li> <li>Lining in bottle-filling stations using edible oil</li> <li>Industrial kitchen and fryer floor mats</li> </ul>
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## Ordering Information

Please provide the following details for accurate order processing

