TECHNICAL DATASHEET:
55 Durometer FDA Grade Industrial Polychloroprene

PRODUCT DESCRIPTION

55 Durometer FDA Polychloroprene (CR Neoprene) is one of the earliest synthetic rubbers developed as an alternative to natural rubber for moderate oil resistance. It is an odorless, tasteless and non-toxic rubber product that displays a natural resistance to bacterial growth.

TYPICAL APPLICATIONS

- 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

- Good resistance to abrasion, a popular choice for industrial applications
- Moderate resistance to oily and greasy food products
- Meets FDA 21 CFR 77.2600

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/16”, 1/8”, 3/16, 1/4"	
COLOR	White	
FINISH	Smooth	
POLYMER	Neoprene (CR) Blend	
DUROMETER/HARDNESS (SHORE A)	55 ±5	ASTM D2240
TENSILE STRENGTH	1200 psi min.	ASTM D412
ULTIMATE ELONGATION	300% min.	ASTM D412
COMPRESSION SET 22 HOURS @ 212°F	80% max	ASTM D395B
TEMPERATURE RANGE	-20°F to 190°F	
SPECIFIC GRAVITY	1.55 gr/cc	
HARDNESS CHANGE AFTER HEAT AGING 70 HOURS @ 212°F	+/- 15 points max.	ASTM D573
TENSILE CHANGE AFTER HEAT AGING 70 HOURS @ 212°F	+/- 30% max.	ASTM D573
ELONGATION CHANGE AFTER HEAT AGING 70 HOURS @ 212°F	-50% max.	ASTM D573
FLUID RESISTANCE OIL # 3, 70 HOURS @ 212°F	120% max.	ASTM D471
FDA 21 CFR 177.2600	Pass	
ASTM D2000: 1BC612Z1	Rated	