

## PROPERTIES OF ELASTOMERS

Basic Property	NBR	HNBR	EPDM Sulfur	EPDM Peroxide	VMQ	FVMQ	FKM	AU/EU	CR	FFKM
Compression Set Resistance	◆	◆	□	◆	■	■	◆	□	■	□
Tear Strength	■	◆	□	■	▼	□	◆	■	■	■
Abrasion Resistance	■	■	■	■	▼	□	■/□	◆	■	□
Aging Resistance	▼	■	■	■	◆	◆	◆	◆	■	◆
Ozone Resistance	▼	■	■	■	◆	◆	◆	◆	■	◆
Resistance to Oil & Grease	■	■	●	●	□	■	◆	■	□	◆
Fuel Resistance	▼*	□	●	●	▼	■	■*	□	□	◆
Resistance to Hot Water	175°F * 80°C	212°F 100°C	265°F 130°C	300°F 150°C	212°F 100°C	212°F 100°C	175°F * 80°C	120°F 50°C	175°F 80°C	‡
Resistance to Steam	●	●	265°F 130°C	350°F 175°C	250°F† 120°C	250°F† 120°C	●	●	●	‡
High Temp—Standard	212°F 100°C	300°F 150°C	265°F 130°C	300°F 150°C	390°F 200°C	350°F 175°C	390°F 200°C	212°F 100°C	212°F 100°C	500°F 260°C
High Temp—Special	250°F 120°C	n/a	n/a	n/a	480°F 250°C	n/a	n/a	n/a	n/a	625°F 330°C
Low Temp—Standard	-22°F -30°C	-22°F -30°C	-50°F -45°C	-60°F -50°C	-65°F -55°C	-65°F -55°C	5°F -15°C	-40°F -40°C	-40°F -40°C	5°F -15°C
Low Temp—Special	-60°F -50°C	-40°C	n/a	n/a	n/a	n/a	-30°F -35°C	n/a	-60°F -50°C	-30°F -35°C

◆ Very Good   ■ Good   □ Average   ▼ Poor   ● Not Recommended

\*Better results with special compound   †Short term only   ‡Depends on compound