

## MATERIAL DATA SHEET



EP70 (Ethylene Propylene, Typical trade name Nordel)

Colour: Black

Properties	Testing Methods	Testing Parameter	Value	Units
Hardness	ASTM D 2240	-	70 +/-5	Shore A
Tensile Strength	ASTM D 412 C	-	11	N/mm2
Ultimate Elongation	ASTM D 412 C	-	250	%
Tear Resistance	ASTM D624 C	-	17	N/mm2
	ASTM D 1329	TR10	-30°C	°C
Low Temp Ability	ASTM D 2137	3 min / -40°C	Pass	
Compression Set	ASTM D 395 B	22 H / 100°C	23	%

Changes to properties after ageing acc. To ASTM D471 / 573 in:

Medium	Volume %	Hardness	Tensile Strength %	Ultimate Elongation %
Air				
70h / 100°C	-	+3	+2	-24
Water				
70h / 100°C	+3	-2	-5	-22

*The results included in this Data sheet were obtained on standard test specimens following test procedures. Comparisons with results obtained on finished products, e.g. O-rings, could lead to other results due to differences in geometry and manufacturing processes. These other results do therefore not automatically contravene the data of this sheet. The evaluation of parts prior to their use in order to ensure their suitability for the application to the end users responsibility.*