

### EPDM 80-compound 559280 black - Technical Data Sheet

#### 1. Introduction

EPDM 70-compound 559280 is a standard EPDM Terpolymer, Peroxide cured. It has a good compression resistance. In compliance with FDA 177.2600.

#### 2. Product Description

Chemical Composition :	Ethylene / Propylene / Diene Terpolymer - Peroxide cured
Physical form :	O-Rings / Mouldings
Colour :	Black
Odour :	None
Storage stability * :	7 years

\* : Following ISO 2230 conditions

#### 3. Physical Properties

Test Method	Unit	Norm	Test Values
Density	g/cm <sup>3</sup>	ISO 2781	1,11
Hardness Shore A	Point	ISO 868	80 ± 5
Tensile Strength	Mpa	ISO 37	14,81
Ultimate Elongation	%	ISO 37	181
Modulus 100%	Mpa	ISO 37	6,78
Compression Set 70h/100°C	%	ISO 815	12
Heat Ageing 168h/125°C			
Hardness Change Shore A	Point	ISO 188	+6
Tensile Strength Change	Mpa	ISO 188	+5
Ultimate Elongation Change	%	ISO 188	0

#### 4. Temperature Resistance

- -40° to +140°C

#### 5. Chemical Resistance

Air	: excellent
Alcohol	: excellent
Alkali	: excellent
Fats	: unsatisfactory
Hydrocarbons	: unsatisfactory
Ethers	: excellent
Esters	: unsatisfactory
Acids	: fair
Oils	: unsatisfactory
Water	: excellent
Steam	: good up to 140°C
Ozone	: excellent

#### 6. Advantages

- Very good compression-set
- Excellent steam resistance
- Excellent ozone and weathering resistance

#### 7. Other Information

- Compliant with FDA 177.2600.
- This compound is ADI (Animal Derived Ingredient Free).

