

## MATERIAL DATA SHEET

ELASTOMER QUALITY  
DESCRIPTION

813212200 EPDM

EPDM Black 70°

PROPERTIES	TEST METHOD	UNIT	DEFAULT	ACTUAL
Hardness	ISO 7619-1	Shore A	70 +/- 5	68*
Density	ISO 2781	g/cm <sup>3</sup>	1,20 +/-0,05	1,22
Tensile strength	ISO 37	MPa	min 7,5	10
Elongation at break, min.	ISO 37	%	min 300	500
Tear strength	ISO 34-1-C	kN/m	min 20	35
Tension set 24h/70°C	ISO 2285 6.1-A	%	max 25	
Compression set (25% comp) after 24h/70°C	ISO 815	%	max 45	40
Compression set (25% comp) after 24h/100°C	ISO 815	%	max 70	65
Compression set (25% comp) after 24h/-30°C	ISO 815	%	max 80	76
Hardness change after ageing 72h/100°C	ISO 7619-1/188	Shore A	max +15/-5	
Tensile strength change after ageing 72h/100°C	ISO 37/188	%	max -25	
Elongation at break change after ageing 72h/100°C	ISO 37/188	%	max -50	
Hardness change after ageing 168h/100°C	ISO 7619-1/188	Shore A	max +15/-5	
Tensile strength change after ageing 168h/100°C	ISO 188	%	max -25	
Elongation at break change after ageing 168h/100°C	ISO 188	%	max -50	
Elongation at 2,5 Mpa	ISO 2285	%	75-125	
Hardness change after ageing 168h/-10°C	ISO 3387	Shore A	max +10	
Temperature Retraction (TR10)	ISO 2921	°C	max -40	-42

### ADDITIONAL INFORMATION

The actual values are typical target values of the material and may be subject to fluctuations.

\*Hardness decrease of approx 5 Shore A on extruded product.