

MATERIAL DATA SHEET

ELASTOMER QUALITY
DESCRIPTION

42-7101
EPDM Black Cellular

PROPERTIES	TEST METHOD	UNIT	DEFAULT	ACTUAL
Density	ISO 2781	g/cm ³	0,35 +/-0,1	0,39
Compression set (25% comp) after 24h/23°C	ASTM D1056	%	max 25	4
Compression set (25% comp) after 168h/23°C	ASTM D1056	%	max 25	<25
Compression set (25% comp) after 24h/70°C	ISO 815	%	max 60	42
Low temperature brittleness	ISO 812	°C	max -40	<-40
Ozone resistance 96h/200 pphm 20% elongation	ISO 1431-1	class	no cracks	no cracks
Compression deflection 25%	ASTM D1056	kN/m ²	50 +/-15	71
Compression deflection 25%, change after 168h/70°C	ASTM D1056	%	max +/-30	4
Water absorption	ASTM D1056	%	max 5	1,1
Contact staining	ISO 3865	class	(max 1)	<1
Migration staining	ISO 3865	class	(max 0)	=0

ADDITIONAL INFORMATION

According to standard, ASTM D-1056-07 2A2 B2

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

The "EPDM cellular rubber" meets the fire technical requirements according to FMVSS 302.