Technical Datasheet

UHRIG

Compound: 728.40

Polymer: VMQ

Certification:
KTW (KA 0133/12; date of expirx 04/2017)
W270 (MO 214/13; date of expiry 02/2018)
ACS (MAT LY 006; date of expiry 10/2017)
WRAS (M105726, date of expiry 11/2019)
NSF/ANSI 61 (3W870, date of expirx 08/2010)

Temperature range: -60℃ to 210℃

Comment:
Color: black
Cross linking system: peroxide cured

Description	Standard	Unit	Tolerance	actually
Hardness	DIN ISO 7619-1	Shore A	40 ± 5	42
	DIN ISO 48	IRHD		-
Density	DIN EN ISO 1183-1	g/cm³	1,12 ± 0,03	1,11
Rebound resilience test	DIN 53 512	%	≥ 45	56
Tensile strength	DIN 53 504 S2	MPa	≥ 8,3	10,4
Modulus 100 %		MPa	≥ 0,7	0,9
Modulus 200 %		MPa	≥ 1,3	1,6
Modulus 300 %		MPa	≥ 2,3	2,9
Elongation at break		%	≥ 440	556
Tear strength	DIN ISO 34 Meth. A	N/mm	≥ 6,7	8,4
	DIN ISO 34-1 Meth. B with notch		≥ 18,3	22,9
Compression set	DIN ISO 815	%		
22 h / 70℃			≤ 6,0	4,7
22 h / 175℃			≤ 17,0	13,5
Rheology (170℃) T10	DIN 53 529	min	0,40 – 0,49	0,42
Rheology (170℃) T90			1,22 – 1,49	1,30
Shrinkage CM		%		4,17
Shrinkage TM				3,09
Throughput		%		69,8

Heating time: 8 / 12 min
Heating temperature: 170℃

Tempering required: yes
Time / Temperature: 4 h / 200℃
Fresh air / recirculation: fresh air

Main features polymer:

Vinyl – Methyl - Polysiloxane
Very good heat resistance
Very good elasticity at very low temperatures
Non-toxic in contact with food
Very good electro-insulating properties
Not resistant to silicone oils and greases, fuel, water vapor above +120 °C

History of change:

Index	Date	Reason
a	13.09.2013	Accept data in new template
b	17.09.2014	Receiving approval number and expiration

The values are based on measurements of samples and the properties represent only indicative. The use of rubber in different media, temperatures and applications that can be determined reliably only after an individual examination for the specific purpose / article.