

Techn. Datenblatt		Technical data sheet			
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Lieferant/ supplier <b>HEXPOL COMPOUNDING GMBH</b> D-41836 HÜCKELHOVEN		Kunde /Customer <b>diverse/miscellaneous</b>			
Mischung / compound <b>HEXFLAME® 45-2500</b>		Spezifikation/specification <b>EN 455 45-2 R22/R23 HL3</b>			
EPDM solid , 50 Shore A, high performance, flame retardant , extrusion compound, non-halogen (<0,02%)					
Pos.	Eigenschaften/ properties	Methode method	Einheit unit	Sollwert requirement	Ergebnis result
1	Elastomer / polymer	DIN ISO 1629		EPDM	EPDM
2	Vernetzung / curing system			-	Schwefel/sulphur
3	Farbe / color			schwarz/black	schwarz/black
4	Dichte / specific gravity	EN ISO 1183	g/cm <sup>3</sup>	-	approx. 1,47
5	Härte / hardness	DIN ISO 7619-1	SH A	50+5	50
6	Zugfestigkeit / tensile strength	DIN 53 504	N/mm <sup>2</sup>	-	6,7
7	Reißdehnung / elongation at break	DIN 53 504	%	-	550
8	Weiterreißwiderstand / tear strength	DIN ISO 34-1 A	N/mm	-	3
9	Druckver.rest/ compr. set 24h/70°C	ISO 815	%	-	13
10	Druckver.rest/ compr. set 24h/100°C	ISO 815	%	-	29
11	Druckver.rest/ compr. set 24h/-25°C	ISO 815	%	-	90
12	Ozonbeständigkeit/ ozon resistance	DIN ISO 1431-1		-	beständig/resistant
13	Nitrosaminfrei/ nitrosamine generating	Es werden <b>keine</b> Rohstoffe eingesetzt die krebserregende Nitrosamine bilden/ <b>no</b> carcinogenic nitrosamine generating raw materials are used			
14.1	Halogenfrei / non-halogen		halogenfrei / non-halogen <0,02 %		
14.2	REACH/SVHC Konformität/compliance	<b>17-Jan 2023</b>	entspricht/ compliant		
15	Kältebruchtemperatur / cold brittleness temperature	ASTM D 2137 A	°C	-	-
16	Elektr. Durchgangswiderstand/ Electr. Volume resistivity	IEC 60093 100V	Ohmcm	-	7,3E+14
17	Elektr. Oberflächenwiderstand/ Electr. Surface resistivity	IEC 60093 100V	Ohmcm	-	9,5E+11
18	Gebrauchstemperaturbereich/ service temperature range	-	°C	-	-40 / +100
19	Abriebbeständigkeit / abrasion resistance	DIN ISO 4649	mm <sup>3</sup>	-	520
20	<b>EN 455 45 classification (11/2021)</b>		class		<b>R22/23 HL3</b>
20.1	Rauchdichte / smoke density Gasanalyse/ gas analysis	EN ISO 5659-2	Ds max	max. 150 (HL3)	47
20.2	Sauerstoff-Index / Limiting Oxygen Index LOI	ISO 4589-2	%	min. 32 (HL3)	38,8
20.3	Toxizität / toxicity	NF X 70-100-1 NF X 70-100-2	CIT NLP	max. 0,75 (HL3)	0,07
Die Ergebnisse wurden an vulkanisierten (10 min/180°C) Prüfplatten ermittelt. Test results were determined on vulcanized (10 min/180°C) test sheets.					

Convertors and suppliers of die cut gaskets, tape, sheeting, fabrications, machined plastic components, rubber mouldings, extrusions and adhesives.



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<b>EPDM solid , 50 Shore A, high performance, flame retardant , extrusion compound, non-halogen (&lt;0,02%)</b>					
Pos.	Mischungs-Eigenschaften, unvernetzt/ Compound properties, uncured	Methode method	Einheit unit	Sollwert requirement	Ergebnis result
30	Mooney Viskosität / Mooney viscosity ML 1+4 100°C	ISO 289-1	MU	-	62
31	Mooney Scorch 130°C	ISO 289-1			
31.1	Viskosität / viscosity		MU	-	48
31.2	T5		min	-	10
32	Rheologie / rheology MDR 2000 0,5° 1,67 Hz 3'180°C	ISO 6502			
32.1	ML		dNm	-	1,6
32.2	MH		dNm	-	10
32.3	T5		min	-	0,85
32.4	T10		min	-	1
32.5	TS2		min	-	1,25
32.6	T90		min	-	2,5

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any particular application. All data relating to suitable uses and descriptions information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The company holds no legal or contractual responsibility for information supplied.

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