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OTHER APPLICATION

Extrusion, Profile, sponge, black

Density 0.80 g/cm³, EPDM, sulfur cure / UHF cure **Specification DIN 4060 (1988-12)**

Guide formulation of DSM (now Arlanxeo)	V 2155
Keltan 512x50)*	150
Zinc oxide	5
Stearic acid	1
Durex 0	70
SILLITIN Z 86	55
Vaseline	10
Process Oil P 460 (ex Sunpar 2280)	20
MBT	1
TDEC	1
ZDMC	3
ZDBC	3
Sulfur	2
Genitron CR	1
Total phr	322

No longer available. Recommended: Keltan 4450 + 50 phr paraffin oil

Compound preparation

3-D Branbury mixer, volume 47.5 I

5
35
0
1
4
125

Fed to slab-off mill: accelerators, sulfur and blowing agent



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			-	
Mooney Viscosity ML (1+4) 100°C	MU		62	
Rheometer, 180°C				
Delta S	Nm		4.86	
Optimum time	min	5.2		
Scorch time	min		1.4	
Troester Extruder Ø 90 mm 15D				
Extrusion conditions			with vacuum	
Barrel	°C		50-50-50	
Head	°C		60	
UHF curing, Troester 2x5 kW				
Energy Magnetron I	Α		0.5	
Energy Magnetron II	Α			
Temperature in air tunnel (10 m)	°C		200	
Profile type			•	
Profile dimensions	mm		35.4	
Extrusion rate	m/min		2.5	
		original	post cured	DIN 4060
Physical properties			3 h @ 130°C	
Density	g/cm³	0.82	0.81	≥ 0.65
Tensile strength	MPa	1.9		≥ 2.0
Elongation at break	%	360		≥ 350
Compression set				
22 h @ 70°C, 40 % deflection	%	34	14	≤ 20
Air aging, 7 d @ 70°C				
Tensile strength	MPa	2.2		
Elongation at break	%	290		
Δ Tensile strength	%	+15.8		≤ 15
Δ Elongation at break	%, rel.	-19.4		≤ 20

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