

S I N T E R I N G - D A T A - S H E E T

DR. FRITSCH GmbH & Co. KG

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powder - code:	V23-300
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main component:	W	binder:	2% alcohol	date:	27.11.00
machine type:	DSP-25	aver. Grain size		testperson:	Mö
utilisation:	Asphalt				

heating by	die:	X	temperature measure-	pyroscope:	
	punches:		ment by:	thermocouple:	X

temperature:	°C	860	900	940	980	1020			
specific pressure:	N/mm ²	35	==>						
machine pressure:	bar	55	==>						
sintering time:	min	3	==>						
bending strength:	N/mm ²								
stretch at break:	%								
average hardness:	HRC	12	19	51	50	52			
hardness scattering:	HRC	11-15	15-22	50-52	49-52	49-54			
weight:	g	20	==>						
weight after sintering:	g	19,898	19,733	18,89	18,605	18,044			

volume:									
V = G_s - G_w	cm ³	1,988	1,89	1,606	1,584	1,522			
density:									
D = G_s / V	g/cm ³	10,01	11,42	11,76	11,75	11,85			

weight loss:									
G = G_e - G_s	g			1,11	1,395	1,956			
rel. Weight loss:									
Gr = G * 100 / G_e	%			5,55	6,98	9,78			

notes:	==> perls
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Attention:

Depending on mould-geometry and type and place of temperature-measurement an increase up to 60 °C must be done to get the same result !

Property of Dr. Fritsch KG. Transmission only allowed in explicit agreement with the management.