WATER ABSORPTION OF PLASTICS

WC-78-A/211-6

SAMPLE DESIGNATION	TESTED BY	CHECKED BY	DATE
BARS - 7026 BLACK 25	C. Vanderbilt	W. Hodge	11-2-70 11-6-70

CODES: 78A/a - 430
9 % WGT. CHANGE ONLY - 420

DECIMAL POSITION INDICATED BY V

SAMPLE IDENT.	CONDITIONED WEIGHT GRAMS W_1	WEIGHT AFTER IMMERSION GRAMS W_2	RECONDITIONED WEIGHT GRAMS W_3	[illegible]	WT. INCREASE % WATER ABSORBED [illegible]
1 BARS 7026	8.3572	8.4364		#1 8.4214 - 8.3572 .0642	
2 BARS - 25	8.4340	8.4527			
3 BARS 11 10	8.5175	8.5523		#2 8.4875 - 8.4340 .0535	#1 .0642 x 100 8.3572 0.77
				#3 8.5523 - 8.5175 .0348	#2 .0535 x 100 8.4340 0.63
Balance in 3 rounds.					#3 .0348 x 100 8.5175 0.41
Balance = Cap [illegible]					
					AVE. 0.60
				Testing [illegible]	[illegible] 17%
				[illegible]	Specimen [illegible]

RA 330-24C

$$\% \text{ Water Absorbed} = \frac{W_2 - W_1}{W_1} \times 100$$

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