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TECHNICAL DATA MS29513

Purpose: To show conformance to the requirements of ASTM D2000 M2BG608 B14 EA14 EF11 EF21 F17 Z1 Z2 Z3 Z4 Z5 Z6

<u>Spec.</u>	<u>Physical Property</u>	<u>Requirements</u>	<u>Results</u>	<u>ASTM Test Method</u>
	ORIGINAL PROPERTIES:			
Z1	Hardness Shore A Durometer	65 +/- 5	60	D2240
	Tensile Strength Mpa (psi) min	8(1160)	12 (1788)	D412
Z2	Elongation % min	220	256	D412
Basic	HEAT RESISTANCE: (70HRS X 212F)			D573
	Hardness change, pts Shore A	+/- 15	+9	
	Tensile strength change %	+/- 30	17	
	Elongation change, % max	-50	-7	
B14	COMPRESSION SET: (22HRS X 212F)			D395
	% of original deflection max	25	6	Method B
Z3	22 HRs at 257F		10	
Z4	70 hours at 257F (.210 cross section or larger)	60	39	
EA 14	WATER RESISTANCE TEST: (70HRS X 212F)			D471
	Hardness change pts., Shore A	+/- 10	-2	
	Volume change %	+/- 15	+7	
EF 11	FUEL RESISTANCE TEST : (70HRS X 73F)	FUEL A		D471
	Hardness change pts., Shore A	+/- 10	-3	
	Tensile strength change, psi., max	-25	-18	
	Elongation change % max	-25	-14	
	Volume change %	-5 to 10	+9	
EF 21	FUEL RESISTANCE TEST: (70HRS X 73F)	FUEL B		D471
	Hardness change pts., Shore A	-30 to 0	-11	
	Tensile strength change, psil, max	-60	-54	
	Elongation change % max	-60	-52	
Z5	Volume change %	0 to 50	46	
F17	LOW TEMPERATURE RESISTANCE Nonbrittle after 3 minutes at -40 C	Pass	Pass	D2137
Z6	LOW TEMPERATURE PROPERTIES TR-10 C		-50(-58)	D1329