

Fannteer Co., Ltd.

3F., No.392, Sec. 1, Neihu Rd., Neihu Dist., Taipei City 11493, Taiwan (R.O.C.)

TEL : (886-2) 2798-6583 FAX : (886-2) 2798-6276 e-mail : info@fannteer.com.tw

Test Report

NO: 180726001

Material: EP80 PC

Compound Number: EP801029B

ASTMSPEC: ASTM D2000 M2DA 814 A26 B36 EA14 F19 Z:EB100%

TEST DATE: 2018.07.26

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Original Properties:		Required	Result
Hardness, Shore A, ASTM D2240		80±5	84
Tensile Strength, ASTM D412, psi, Min		2031	2896
Elongation, ASTM D412, %, Min		Z:100	167
Tear resistance ASTM D624(Die C), Kg/cm			33
Modulus at 100%, ASTM D412, psi			1555
Modulus at 200%, ASTM D412, psi			
Modulus at 300%, ASTM D412, psi			
Specific Gravity, g/cm ³			1.168
A26	Heat resistance, Test Method D 865, 70 h at 150°C		
	Change in hardness, max, points	+10	+4
	Change in tensile strength, max, %	-20	-8
	Change in ultimate elongation, max, %	-20	-17
	Change in volume, %		-0.8
B36	Compression set, Test Methods D 395, Method B Type 2, 22 h at 150°C, plied, max, %	40	17
EA14	Water resistance, Test Method D 471, 70 h at 100°C,		
	Change in hardness, max, points		0
	Change in tensile strength, max, %		-2

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		Required	Result
	Change in ultimate elongation, max, %		+2
	Change in volume, %	±5	+1.6
F19	Low-temperature resistance, Test Methods D 2137, Method C, 9.3.3, nonbrittle after 3 min at -55°C	pass	pass

Please note the above test results are obtained from test slabs/buttons, not actual parts.

Gina Fang