



Material : NB07471A

Spec. ASTM D2000 M2BG714A14B14EA14EF11EF21EO14EO34

Sheet 150*150*2 mm Press Cure:170°C * 5 min Post Cure:140°C * 1 hr

Button 29*12.5 mm Press Cure:170°C * 10 min Post Cure:140°C * 1 hr

Test Item	Test Methods	Unit	Remark	Min	Max	Result
Durometer Hardness (1sec)	ASTM D2240 Type A	*		65.0	75.0	71.2
Tensile strength(psi)	ASTM D412 Die C	Psi		2031		2552
Elongation at Break	ASTM D412 Die C	%		250		324
Tear resistance Die C	ASTM D624 Die C	Kgf/cm				53.3
Modulus at 100 %	ASTM D412 Die C	Psi				635
Modulus at 200 %	ASTM D412 Die C	Psi				1721
Modulus at 300 %	ASTM D412 Die C	psi				2403
Specific Gravity						1.258
<u>A14 Heat Resistance</u>	<u>ASTM D573 70hr@100°C</u>			Spec.		
Hardness Change(Shore A),max		Point		±15		+6.3
Tensile Strength Change,max		%		±30		+8
Elongation Change,max		%		-50		-18
Volume Change		%				-3.2
<u>EO14 Fluid Resistance</u>	<u>ASTM D471 70hr@100°C IRM901</u>			Spec.		
Hardness Change(Shore A),max		Point		-5~+10		+7.8
Tensile Strength Change,max		%		-25		+7
Elongation Change,max		%		-45		-15
Volume Change		%		-10~+5		-6.5
<u>EO34 Fluid Resistance</u>	<u>ASTM D471 70hr@100°C IRM903</u>			Spec.		
Hardness Change(Shore A),max		Point		-10~+5		-1.0
Tensile Strength Change,max		%		-45		+5
Elongation Change,max		%		-45		-14
Volume Change		%		0~+25		+4.2
<u>EA14 Fluid Resistance</u>	<u>ASTM D471 70hr@100°C WATER(Distilled)</u>			Spec.		
Hardness Change(Shore A),max		Point		±10		-3.5
Tensile Strength Change,max		%				-1
Elongation Change,max		%				-15
Volume Change		%				+5.5
<u>EF11 Fluid Resistance</u>	<u>ASTM D471 70hr@23°C Fuel A(IsoOctane)</u>			Spec.		
Hardness Change(Shore A),max		Point		±10		-2.0
Tensile Strength Change,max		%		-25		-6
Elongation Change,max		%		-25		-9
Volume Change		%		-5~+10		+0.7
<u>EF21 Fluid Resistance</u>	<u>ASTM D471 70hr@23°C</u>			Spec.		
	Fuel B(70%IsoOctane+30%Toluene)					
Hardness Change(Shore A),max		Point		-30~0		-16.1
Tensile Strength Change,max		%		-60		-25
Elongation Change,max		%		-60		-28
Volume Change		%		0~+40		+23.6
<u>B14 Compression Set</u>	<u>ASTM D395 22hr@100°C</u>	%	Button	25		10