



MATERIAL TEST REPORT

Material ref: FK8300

Description: 75 duro fluoroelastomer, LOW TEMPERATURE
(Made from DuPont Viton® GLT)

	Test <u>Method</u>	Unit of <u>Measure</u>	Required <u>Value</u>	Obtained <u>Value</u>
Hardness	ASTM D2240	Shore A	75+/-5	76
Tensile Strength	ASTM D412/C	kg/cm2	>35	138
Ult. Elongation	ASTM D412/C	%	>150	155
Specific Gravity		g/cm3		1.83+/-0.02
Temperature Retraction	ASTMD1329	Degrees C		
TR10			-30	-31
TR30			-26	-27
TR50			-22	-23
Compression Set 70 hours at 392F	ASTM D 395B	%	40 max	25
Heat Resistance 70 hours at 528F	ASTM D573			
Hardness change:		points	0 to +15	+7
Tensile change:		%	-40% max	-32
Elong. Change		%	-35% max	-13
Fluid Aging Service Fluid 101 70 hours at 392F	ASTM D471			
Hardness change:		points	-20 to +5	-6
Tensile change:		%	-50% max	-37
Elong. Change:		%	-20% max	+40
Volume change:		%	+20% max	+7
Fluid Resistance #2 Diesel Fuel 70 hours at 200F	ASTM D471			
Hardness change:		points	-10 to +5	+1
Tensile change:		%	-10% max	no chg
Elong. Change:		%	-10% max	+13
Volume change:		%	+10% max	+3