

Physical and Mechanical Properties Test Report

COLUMBIA		Compound: Fluorocarbon, 75 duro			
		Customer: Pave Technology			
		Material Spec: ASTM D2000 M2HK810 A1-10 B38 EF31 EO78 EO88 Z1 Z1=DURO 75±5 Shore A			
Test Item		Unit	Spec.	Value	Test Method
Original Properties	Hardness Shore A	Point	75±5	77	ASTM D2440
	Tensile Strength	Psi	1450	2137	ASTM D412
	Elongation	%	150 Min	242	
Compression Set 200°C x 22h		%	50 Max	11.0	ASTM D395B
Heat Aged Properties 250°C x 70h	Hardness Change Shore A	Point	10 Max	3	ASTM D573
	Tensile Change	%	-25 Max	-16	
	Elongation Change	%	-25 Max	-4	
Fluid Resistance Fuel C 23°C x 70h	Hardness Change Shore A	Point	±5	-3	ASTM D471
	Elongation Change	%	-20 Max	-13	
	Tensile Change	%	-25 Max	-21	
	Volume Change	%	0/10	5	
Fluid Resistance Service Fluid 101 200°C x 70h	Hardness Change Shore A	Point	-15/5	-11	ASTM D471
	Elongation Change	%	-20 Max	-9	
	Tensile Change	%	-40 Max	-26	
	Volume Change	%	0/15	14	

Testing data on file

Checked by:

Carolyn Gilden
Quality Technician

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