


# LABORATORY REPORT ON PARTS

HUTCHINSON SEAL De MEXICO		Customer DXP ENTERPRISES Mat specification Specification: MIL R 83248 Grade: TYPE 1 CLASS 2 Issue N° : Revision date: 01/04/1999 Origin :	Report N° : 2008111302A Edition date : 13/11/2008 Order N° : Part N° : Dimension : HUT code : HUT compound : V23	Post :
				
Characteristic	Unit	Test Method	Specification	V23
* Colour				Black
* Specific gravity	g/cc	ASTM D 297	As determined	1.85
* Hardness ShA	Point	ASTM D 2240	90 ± 5	87
* Tensile strength	psi	ASTM D 412	Min 1400	2755
* Elongation at break	%	ASTM D 412	Min 100	164
* Low temp. retraction, TR10	F	ASTM D 1329	Max 5	-15
Heat ageing 70hours at 518° F		ASTM D 573		
* Hardness change	Point		-5 to +10	2
* Tensile strength change	%		Max -45	-32
* Elongation change	%		Max -20	-3.7
* Weight loss	%		Max 10	-4.3
* Compression set 22 hours at 392° F, over 0.110 inch	%	ASTM D 395	Max 25	14
* Compression set 336 hours at 392° F, over 0.110 inch	%	ASTM D 395	Max 60	42
After 70hrs at 392° F in ARM 200 Oil		ASTM D 471		
* Hardness change	Point		-15 to 0	-12
* Tensile strength change	%		Max -35	-14
* Elongation change	%		Max -20	4.9
* Volume change	%		1 to 25	18.8
* Compression set over 0.110 inch	%	ASTM D 395	Max 10	7.5
After 70 hrs at 75° F in Fuel B		ASTM D 471		
* Hardness change	Point		± 5	-1
* Tensile strength change	%		Max -20	-10
* Elongation change	%		Max -20	4.3
* Volume change	%		0 to 5	1.2
Comment: HUTCHINSON SEAL compound V23 complies with all tested requirements of MIL-R-83248 Type 1 Class 2.			Name : Daniel CORTARELLI Chief Chemist Visa : <i>Daniel Cortarelli</i>	