



## Zenith rubber's Compound for Molding, Extrusion & Printing rollers

### TECHNICAL DATA SHEET

# 8

Properties	Test Method	Unit	NRAP 60110	NBRP 30115	EPEX 70130	NREX 70145
Density	ASTM D 297	g/cm <sup>3</sup>	1.10 ± 0.05	1.15 ± 0.05	1.30 ± 0.05	1.45 ± 0.05
Hardness	ASTM D 2240	Shore A	60 ± 5	30 ± 5	70 ± 5	70 ± 5
Tensile Strength	ASTM D 412	Kg/Cm <sup>2</sup>	220	25	75	100
Elongation	ASTM D 412	%	400	550	250	300
Abrasion	ASTM D 5963	MM <sup>3</sup>	120	NA	350	400
Compression set	ASTM D 395 B	%	20	25	30	30
Tear strength	ASTM D 624	Kg/Cm	50	10	20	30
After heat aged @ 70°C x 70 Hrs	ASTM D 573					
Hardness		%	+5	+4	+7	+7
Tensile Strength		%	-10	± 10	± 25	± 20
Elongation		%	-15	± 20	± 35	± 35
Volume swell @ 70°C x 72 Hrs	ASTM D 471					
ASTM OIL #1		%		-8		
ASTM OIL #2		%	NR	-14	NR	NR
ASTM OIL #3		%		+10		
Chem. Resist	ASTM D 1149					
Ozone			NR	NR	Excellent	NR
Dil. Acid and Base			V. GOOD	GOOD	V.GOOD	GOOD
Cont. Acid & Base			V. GOOD	GOOD	GOOD	GOOD
Oil			NR	Excellent	NR	NR
Ketone / Alcohol			V. GOOD	Excellent	V.GOOD	GOOD
Temperature		°C	-25 To + 80	-25 To + 100	-25 To + 120	-25 To + 80
Colour			Black	Red, Black, Orange	Various Colours	Black

\* NR = Not Recommended

\* Test properties are based on Lab conditions, small variation possible between Lab to Lab.