

Silicone rubber-For industrial roller

CHN-ROLL-40/80-U

Key features:

- Excellently low compression set.
- Non post cure, suitable for large industrial roller molding.
- Easy for releasing during film shaping of molten resin (e.g. PVC).
- Superior DOP-resistance than general type silicone rubber.
- Excellent processability. 40A and 80A materials can be mixed to obtain required hardness.

Applications: Rolls for resin calendering, such as PVC laminating.

Grade		CHN-ROLL-40-U	CHN-ROLL-80-U
Appearance		Milky white translucent	Milky white translucent
Density	23°C	1.11	1.42
Curing agent	Curing agent name	C-8B	C-8B
	Standard addition quantity	1.0	1.0
Physical strength	Hardness Durometer A	37	83
	Tensile strength MPa	9.3	8.1
	Elongation at break %	670	120
	Tear strength Crescent KN/m	12	8
Rebound resiliency	%	73	50
Compression set	150°C × 22h %	11	7

Other properties

Grade			CHN-ROLL-40-U	CHN-ROLL-80-U
Heat resistance	at 260°C × 168h	Hardness Durometer A	44	85
		Tensile strength (MPa)	3.6	4.9
		Elongation at break %	255	80
Oil resistance	IRM 901 Oil at 150°C × 7Days	Hardness Durometer A	37	76
		Tensile strength (MPa)	7.5	5.6
		Elongation at break %	200	110
		Volume %	+14	+4
	IRM 903 Oil at 150°C × 7Days	Hardness Durometer A	34	67
		Tensile strength (MPa)	5.8	4.3
		Elongation at break %	180	90
		Volume %	+20	+14

Test piece: 2mm, 165°C × 10 min (press cure)

(Not specified values)