

N5C3 Material for Magic Suction Cup

1 FEATURES & ADVANTAGES

Extreme Durability

Offers 20x longer lifespan than standard silicon cup, minimizing maintenance frequency and equipment downtime.

High Flexibility (high elasticity)

The high elasticity material perfectly seals uneven or textured surfaces, significantly boosting suction performance.

Excellent for plastic (pouch) bag and opening bag

Engineered for flexible bags and pouch-opening systems, it blends high flexibility with extreme durability for maximum handling performance.



2 AVAILABLE SUCTION LIP & DIAMETER OPTIONS

Series	Available Diameter (Ø) Options (mm)	Material
X (XB)-series	XB 12/ 15/ 17/ 20 - X 25/ 30/ 40/ 45/ 50/ 55	N5C3
P (PB)-series	PB 12 - P 15/ 17/ 20/ 27/ 30/ 32/ 40/ 45/ 52/ 56/ 60	
XP (XPB)-series	XPB 15/ 17/ 20 - XP 25/ 35/ 40/ 45/ 50/ 55/ 60	
XC-series	XC 40/ 50/ 60	
PG-series	PG 34/ 42/ 48	
PP-series	PP 32	

3 MATERIAL RESISTANCE

Description	NBR	Silicone	White Silicone	Urethane	Polyurethane	N5C3
Wear Resistance	Excellent	Good	Good	Excellent	Excellent	Excellent
Oil	Excellent	Poor	Poor	Excellent	Excellent	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent	Fair
Alcohol	Good	Good	Good	Fair	Fair	Good
Acid	Fair	Poor	Poor	Poor	Fair	Fair

4 DURABILITY & LIFETIME COMPARISON

Material	Cycle Time (Operations)	Day of Use (Estimated)
P32-S3	90,000 times	3 days
PP32-S3	300,000 times	10 days
PP32-N5C3 	2,235,000 times	75 days

* Testing condition: Cyclic vacuum hold/release for plastic bag opening at +20°C

