

NORYL™ Resin REN501 Americas: COMMERCIAL

Noryl REN501 resin is an unfilled Post Industrial Recycle (PIR) based injection moldable modified polyphenylene ether blend comprising up to 40% PIR content. Available in black only.

VALUE Unit	Standard
kgf/cm²	ASTM D 638
kgf/cm²	ASTM D 638
%	ASTM D 638
%	ASTM D 638
kgf/cm²	ASTM D 638
kgf/cm²	ASTM D 790
cm-kgf/cm	ASTM D 4812
cm-kgf/cm	ASTM D 256
cm-kgf/cm	ASTM D 256
cm-kgf	ASTM D 3763
°C	ASTM D 648
1/°C	ASTM E 831
1/°C	ASTM E 831
-	ASTM D 792
g/10 min	ASTM D 1238
	g/10 min

州华秀型胶有限公司 (Sabic沙伯基础创新塑料 一级经销商)

www.va-so.cn 联系电话: 020-82582555

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mo shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

Source GMD, last updated:

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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	105 - 110	°C
Drying Time	3 - 4	hrs
Drying Time (Cumulative)	8	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	280 - 310	°C
Nozzle Temperature	280 - 310	°C
Front - Zone 3 Temperature	270 - 310	°C
Middle - Zone 2 Temperature	260 - 305	°C
Rear - Zone 1 Temperature	250 - 300	°C
Mold Temperature	75 - 105	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	20 - 100	rpm
Shot to Cylinder Size	30 - 70	%

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