

## Clariant Renol TES3050A Thermoplastic Elastomer Alloy

Category : Polymer , Thermoplastic , Elastomer, TPE

**Material Notes:**

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-TES3050A-Thermoplastic-Elastomer-Alloy.php](http://www.lookpolymers.com/polymer_Clariant-Renol-TES3050A-Thermoplastic-Elastomer-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	ASTM D955
Melt Flow	19 g/10 min	19 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	3.45 MPa	500 psi	ASTM D638
Flexural Modulus	0.00214 GPa	0.310 ksi	100% Modulus; ASTM D790
	0.00345 GPa	0.500 ksi	300% Modulus; ASTM D790
Compression Set	29 %	29 %	ASTM D395B
	@Temperature 73.0 °C, Time 79200 sec	@Temperature 163 °F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 221 °C	380 - 430 °F	
Mold Temperature	21.1 - 37.8 °C	70.0 - 100 °F	
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.345 - 1.72 MPa	50.0 - 250 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

**Contact Songhan Plastic Technology Co.,Ltd.**Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China