

## Precision Polymer Engineering Q50Y Polyurethane Rubber

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Yellow/Green Polyurethane Rubber, 50-60 °IRHD. ASTM & ISO designation = AU. Applications: Good abrasion resistance and tensile strength, with fluid compatibility approaching that of NBR. Polyurethane seals provide outstanding performance in hydraulic systems which are prone to abrasive contamination and high shock loads. Good resistance to weathering and ozone but poor against water and high temperature. Good radiation resistance.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-Q50Y-Polyurethane-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-Q50Y-Polyurethane-Rubber.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	°IRHD; ASTM D1415
	66	66	°IRHD, +10 change after 70 hours @ 100°C; ASTM D1415
Tensile Strength, Yield	13.5 MPa	1960 psi	-25% change after 70 hours @ 100°C; ASTM D412
	18.0 MPa	2610 psi	ASTM D412
Elongation at Break	390 %	390 %	-40% change after 70 hours @ 100°C; ASTM D412
	650 %	650 %	ASTM D412
Compression Set	28 %	28 %	70 hours @ 100°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-35.0 °C	-31.0 °F	Non-brittle after 3 minutes
	-30.0 °C	-22.0 °F	
Flash Point	>= 204 °C	>= 399 °F	

## 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