

AdvanSource Biomaterials HYDROTHANE™ Hydrophilic Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

AdvanSource Biomaterials Corporation manufactures and markets hydrophilic high slip, high water absorptive, polyether aliphatic polyurethanes designed for use as coatings of catheters, sutures, introducers, rods, valves and rubber products. Hydrosip C polymers can also be coated onto silicon microdevices to reduce absorption of white cells and proteins on the devices, thereby aiding in the analysis of blood and DNA. Information provided by AdvanSource Biomaterials Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_AdvanSource-Biomaterials-HYDROTHANE-Hydrophilic-Thermoplastic-Polyurethane.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	<= 85	<= 85	Wet (24 Immersion)
	<= 93	<= 93	Very Dry (Desiccated)
	<= 95	<= 95	In Normal Atmosphere
Tensile Strength, Ultimate	38.6 MPa	5600 psi	Wet (24 Immersion)
	40.0 MPa	5800 psi	In Normal Atmosphere
	53.8 MPa	7800 psi	Very Dry (Desiccated)
Elongation at Break	475 %	475 %	In Normal Atmosphere
	500 %	500 %	Wet (24 Immersion)
	580 %	580 %	Very Dry (Desiccated)

Processing Properties	Metric	English	Comments
Zone 1	170 °C	338 °F	
Zone 2	185 °C	365 °F	
Zone 3	190 °C	374 °F	
Melt Temperature	175 °C	347 °F	
Drying Temperature	85.0 °C	185 °F	
Dry Time	>= 3 hour	>= 3 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	
Dew Point	-5.00 °C	23.0 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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