

Lubrizol ESTANE® GP95AB Ester Based Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

Material Notes:

Type: Estane® GP 95AB is an aromatic polyester-based thermoplastic polyurethane (TPU). Appearance: Translucent spherical pellets
Uses: Injection molding parts, animal identification tags
Available in Europe
Information provided by Lubrizol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-GP95AB-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ISO 2781
Maximum Moisture Content	0.050	0.050	
Melt Flow	10 - 25 g/10 min @Load 8.70 kg, Temperature 205 °C	10 - 25 g/10 min @Load 19.2 lb, Temperature 401 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ISO 868
Hardness, Shore D	50	50	ISO 868
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ISO 37
Elongation at Break	560 %	560 %	ISO 37
Tensile Modulus	0.0580 GPa	8.41 ksi	ISO 527
50% Modulus	0.0100 GPa	1.45 ksi	ISO 37
100% Modulus	0.0125 GPa	1.81 ksi	ISO 37
300% Modulus	0.0250 GPa	3.63 ksi	ISO 37
Rebound	43 %	43 %	ISO 4662
Tear Strength	117 kN/m	668 pli	with incision; ISO 34B
	151 kN/m	862 pli	without incision; ISO 34B
Abrasion	33	33	mm³; ISO 4649
Compression Set	19 %	19 %	70 hrs./22°C; ISO 815
	31 %	31 %	24 hrs./70°C; ISO 815

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Feed Temperature	40.0 °C	104 °F	Injection
Nozzle Temperature	200 - 210 °C	392 - 410 °F	Injection
Zone 1	195 - 205 °C	383 - 401 °F	Injection
Zone 2	200 - 210 °C	392 - 410 °F	Injection
Zone 3	205 - 215 °C	401 - 419 °F	Injection
Zone 4	205 - 215 °C	401 - 419 °F	Injection
Drying Temperature	100 °C	212 °F	
Dry Time	2.00 - 3.00 hour	2.00 - 3.00 hour	
Dew Point	<= -30.0 °C	<= -22.0 °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