

Multibase Multi-Flex[®] A 7321 TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

Material Notes:

Features: Chemical Resistance, Good Colorability, Good Elasticity, High Electrically Insulating Flame Retardant Flexibility, Good Heat Stabilized Ozone Resistant UV Resistance, Good Processability, Good Flow, High Forms: Pellets Processing Method: Extrusion Uses: Toothbrush Handles Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-7321-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM 792
Melt Flow	25 g/10 min	25 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	10 seconds; ASTM D2240
Tensile Strength, Yield	2.90 MPa	420 psi	at 100%; ASTM D412
	6.83 MPa	990 psi	Elastic; ASTM D412
Elongation at Break	630 %	630 %	Elastic; ASTM D412
Flexural Modulus	0.0793 GPa	11.5 ksi	1% Secant; 0.1 in/min.; ASTM D790
Tear Strength	33.3 kN/m	190 pli	ASTM D624

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 °C	410 °F	
Front Barrel Temperature	227 °C	440 °F	
Nozzle Temperature	235 °C	455 °F	
Mold Temperature	51.7 °C	125 °F	
Drying Temperature	51.7 °C	125 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Injection Pressure	3.45 - 4.83 MPa	500 - 700 psi	
Back Pressure	0.345 MPa	50.0 psi	

<small>Screw Speed</small> Processing Properties	<small>40 mm</small> Metric	<small>40 mm</small> English	Comments
Descriptive Properties			
Clamp Tonnage		1.5-2.5 tons/in ²	
Injection Rate		Fast	
Suggested Max Regrind		0.5	

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