

AorTech Biomaterials Elast-Eon™ E2-860 Biomedical Polyurethane Pellets

Category : Polymer , Thermoplastic , Polyurethane, TP , Silicone Polyurethane, Ether Based

Material Notes:

Elast-Eon™ 2-860 is a polyurethane with a 60% hard segment content and a mixed polyether/siloxane soft segment. It comes in pellet form. The pellets are colorless to yellowish and are soluble in DMAc. Elast-Eon™ polymers are used in biomedical applications. They have high biostability so they can be used for long term implantation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_AorTech-Biomaterials-Elast-Eon-E2-860-Biomedical-Polyurethane-Pellets.php

Physical Properties	Metric	English	Comments
Molecular Weight	>= 95000 g/mol	>= 95000 g/mol	Mn by GPC using polystyrene stds; TM-005

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60 - 70	60 - 70	TM-025
Tensile Strength at Break	25.0 - 42.0 MPa	3630 - 6090 psi	TM-019G
Tensile Stress	23.0 MPa @Strain 100 %	3340 psi @Strain 100 %	
Elongation at Break	>= 200 %	>= 200 %	TM-019G
Modulus of Elasticity	0.550 - 0.750 GPa	79.8 - 109 ksi	TM-019E

Thermal Properties	Metric	English	Comments
Melting Point	175 - 195 °C	347 - 383 °F	DSC Induction Temperature; TM-029

Descriptive Properties	Value	Comments
Polydispersity	1.5-2.2	TM-005; Mw/Mn by GPC using polystyrene stds

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