

Bionate® 65D

Polycarbonate + TPU

DSM Biomedical Inc.

Message:

Bionate® 65D is a Polycarbonate + TPU (PC+TPU) product. It can be processed by extrusion or injection molding and is available in North America. Applications of Bionate® 65D include medical/healthcare and food contact applications. Characteristics include:

- Biocompatible
- Good Aesthetics
- Good Flexibility
- High ESCR (Stress Crack Resistant)
- Wear Resistant

General Information			
Features	Biocompatible		
	Good Abrasion Resistance		
	Good Flexibility		
	Good Strength		
	High ESCR (Stress Crack Resist.)		
	Opticals		
	Oxidation Resistant		
Uses	Medical/Healthcare Applications		
Agency Ratings	DMF Unspecified Rating		
	FDA Unspecified Rating		
Appearance	Clear Amber		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (224°C/1.2 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Ultimate	62.2	MPa	
50% Strain	25.4	MPa	
100% Strain	31.7	MPa	
Tensile Elongation (Break)	280	%	ASTM D638

Extrusion	Nominal Value	Unit
Melt Temperature	188 to 220	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

