

Elastane™ 4721R10

Thermoplastic Polyurethane Elastomer (Polyester)

Technical Polymers, LLC

Message:

Elastane™ 4721R10 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) material filled with 10% glass fiber. It is available in North America for injection molding. Primary attribute of Elastane™ 4721R10: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	41.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 25	%	ASTM D638
Flexural Modulus (23°C)	1380	MPa	ASTM D790
Flexural Strength (23°C)	48.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	96.1	°C	
1.8 MPa, Unannealed	62.8	°C	
Vicat Softening Temperature	157	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	93.3 to 104	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	216 to 232	°C	
Mold Temperature	26.7 to 60.0	°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

