

Elastane™ 4752-65D

Thermoplastic Polyurethane Elastomer (Polyether)

Technical Polymers, LLC

Message:

Elastane™ 4752-65D is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) material. It is available in North America for extrusion or injection molding.

General Information			
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)	393	MPa	ASTM D790
Abrasion Loss (23°C)	35.0	mm ³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% Strain, 23°C	22.1	MPa	
100% Strain, 23°C	26.2	MPa	
300% Strain, 23°C	49.6	MPa	
Tensile Strength (23°C)	66.2	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	> 340	%	ASTM D412
Tear Strength (23°C)	175	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	138	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	199 to 232	°C	
Mold Temperature	15.6 to 60.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	3.0 to 4.0	hr	
Melt Temperature	199 to 232	°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



WECHAT