

Elastane™ 4760-75A

Thermoplastic Polyurethane Elastomer (Polyether)

Technical Polymers, LLC

Message:

Elastane™ 4760-75A 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	1.10	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% Strain, 23°C	3.03	MPa	
100% Strain, 23°C	4.34	MPa	
300% Strain, 23°C	8.27	MPa	
Tensile Strength (Yield, 23°C)	41.4	MPa	ASTM D412
Tensile Elongation (Break)	> 500	%	ASTM D412
Tear Strength (23°C)	65.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 70 hr	22	%	
70°C, 22 hr	50	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°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	193 to 216	°C	
Mold Temperature	15.6 to 60.0	°C	

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Recommended distributors for this material

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