



Estane® 2103-84AEN TPU

Lubrizol Advanced Materials, Inc. - Thermoplastic Polyurethane Elastomer (Polyether)

Wednesday, November 6, 2019

General Information

Product Description

2103-84AEN is a thermoplastic polyurethane elastomer.

Feature: Contains UV Stabilizer, NSF Standard 61 certified

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Latin America	• North America
Additive	• UV Stabilizer		
Agency Ratings	• NSF STD-61		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13		ASTM D792
Melt Mass-Flow Rate (224°C/1.2 kg)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 g, H-22 Wheel)	20.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (50% Strain, 0.126 in)	595	psi	ASTM D412
Tensile Stress (100% Strain, 0.126 in)	798	psi	ASTM D412
Tensile Stress (300% Strain, 0.126 in)	1700	psi	ASTM D412
Tensile Strength (Break, 0.126 in)	5000	psi	ASTM D412
Tensile Elongation (Break, 0.126 in)	600	%	ASTM D412
Elongation Set After Break (0.126 in)	70	%	ASTM D412
Tear Strength ² (0.126 in)	600	lbf/in	ASTM D624
Compression Set			ASTM D395B
77°F, 22 hr	30	%	
158°F, 22 hr	33	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240

Notes

¹ Typical properties: these are not to be construed as specifications.

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