

Estane® 2103-84AEN TPU

Thermoplastic Polyurethane Elastomer (Polyether)

Lubrizol Advanced Materials, Inc.

Message:

2103-84AEN is a thermoplastic polyurethane elastomer.
Feature: Contains UV Stabilizer, NSF Standard 61 certified

General Information			
UL YellowCard	E106426-100187493		
Additive	UV Stabilizer		
Agency Ratings	NSF 61		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (224°C/1.2 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240
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			ASTM D412
50% Strain, 3.20 mm	4.10	MPa	
100% Strain, 3.20 mm	5.50	MPa	
300% Strain, 3.20 mm	11.7	MPa	
Tensile Strength (Break, 3.20 mm)	34.5	MPa	ASTM D412
Tensile Elongation (Break, 3.20 mm)	600	%	ASTM D412
Elongation Set After Break (3.20 mm)	70	%	ASTM D412
Tear Strength ¹ (3.20 mm)	105	kN/m	ASTM D624
Compression Set			ASTM D395B
25°C, 22 hr	30	%	
70°C, 22 hr	33	%	
NOTE			
1.	Die C		

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