

Estane® 2103-55D TPU

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

Wednesday, November 6, 2019

General Information				
elastomer.				
• Commercial: Active				
	F			
Africa & Middle EastAsia Pacific	EuropeLatin America		North America	
 Pellets 				
Injection Molding				
ASTM & ISC	O Properties ¹			
		Unit	Test Method	
	1.15		ASTM D792	
	15	g/10 min	ASTM D1238	
	5.0E-3 to 9.0E-3	in/in	ASTM D955	
	6.0E-3 to 7.0E-3	in/in	ASTM D955	
	Nominal Value	Unit	Test Method	
	24900	psi	ASTM D790	
Wheel)	80.0	mg	ASTM D1044	
	Nominal Value	Unit	Test Method	
	1940	psi	ASTM D412	
	2390	psi	ASTM D412	
	4600	psi	ASTM D412	
	6400	psi	ASTM D412	
	430	%	ASTM D412	
	30	%	ASTM D412	
	902	lbf/in	ASTM D624	
			ASTM D395B	
	25	%		
	30	%		
	Nominal Value	Unit	Test Method	
			ASTM D2240	
	96			
	55			
	Nominal Value	Unit	Test Method	
	219	°F	ASTM D1525 3	
	7.2E-5	in/in/°F	ASTM D696	
Processing	Information			
	Nominal Value	Unit		
	190 to 219	°F		
	410 to 441	°F		
	elastomer. Commercial: Active Africa & Middle East Asia Pacific Pellets Injection Molding ASTM & ISC Wheel)	elastomer. - Commercial: Active - Africa & Middle East - Asia Pacific - Pellets - Injection Molding - ASTM & ISO Properties 1 - Nominal Value - 1.15 - 15 - 5.0E-3 to 9.0E-3 - 6.0E-3 to 7.0E-3 - Nominal Value - 24900 Wheel) - 80.0 - Nominal Value - 1940 - 2390 - 4600 - 6400 - 430 - 30 - 902 - 25 - 30 - Nominal Value - 96 - 55 - Nominal Value - 96 - 55 - Nominal Value - 219 - 7.2E-5 - Processing Information - Nominal Value - 190 to 219	elastomer. • Commercial: Active • Africa & Middle East • Asia Pacific • Pellets • Injection Molding ASTM & ISO Properties ¹ Nominal Value 1.15 15 9/10 min 5.0E-3 to 9.0E-3 in/in 6.0E-3 to 7.0E-3 in/in Nominal Value Unit 24900 psi Wheel) 80.0 mg Nominal Value Unit 1940 psi 2390 psi 4600 psi 4600 psi 4600 psi 430 % 902 lbf/in Nominal Value Unit 96 55 Nominal Value Unit 96 55 Nominal Value Unit 96 55 Nominal Value Unit 97 Nominal Value Unit 98 Nominal Value Unit 99 Nominal Value Unit 99 Nominal Value Unit 99 Tominal Value Unit 99 Nominal Value Unit	



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Injection	Nominal Value Unit
Mold Temperature	61 to 140 °F
Injection Notes	
Air Dew Point: <-40°C	

Notes

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



² Die (

³ Rate B (120°C/h), Loading 1 (10 N)