



Desmopan® 2587A

Covestro - PUR - Thermoplastic Polyurethane Elastomer (Polyester)

Sunday, August 23, 2020

General Information

Product Description

Extrusion- and injection molding grade; does not contain any anti-hydrolysis agent; Application; Blown films

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Uses	• Blown Film • Film
RoHS Compliance	• RoHS Compliant
Processing Method	• Blown Film • Extrusion • Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.20	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ² (Break, 73°F)	6900	psi	DIN 53504
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10% Strain, 73°F	363	psi	
50% Strain, 73°F	769	psi	
100% Strain, 73°F	972	psi	
300% Strain, 73°F	3250	psi	
Tensile Strain ² (Break, 73°F)	480	%	DIN 53504
Abrasion Resistance ³	30.0	mm ³	ISO 4649
Torsional Storage Modulus			ISO 6721
-4°F	5947	psi	
73°F	1740	psi	
158°F	1117	psi	
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁴ (73°F)	400	lbf/in	ISO 34-1
Compression Set			ISO 815
158°F, 24 hr ³	40	%	
158°F, 24 hr ⁵	25	%	
Rebound Resilience	40	%	ISO 4662
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 7619
Shore A, 1 sec, 73°F	86		
Shore D, 1 sec, 73°F	33		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	< 176	°F
Processing (Melt) Temp	410 to 446	°F
Mold Temperature	68 to 104	°F

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Extrusion	Nominal Value	Unit
Drying Temperature	< 176	°F
Melt Temperature	383 to 419	°F

Notes

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

² 7.9 in/min

³ Method A

⁴ 20 in/min

⁵ Method C

