

Desmopan® DP 2586A

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

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

General Information			
Uses	Film		
RoHS Compliance	RoHS Compliant		
Processing Method	Blown Film		
	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1190	kg/m ³	ISO 1183 ¹

Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868 ²
Shore A, 3 sec	86		
Shore D, 15 sec	38		

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ³			DIN 53504
Break, 23°C	49.6	MPa	
10% Strain, 23°C	2.00	MPa	
50% Strain, 23°C	4.80	MPa	
100% Strain, 23°C	5.90	MPa	
300% Strain, 23°C	14.3	MPa	
Tensile Strain ⁴ (Break, 23°C)	600	%	DIN 53504
Abrasion Resistance (23°C)	32.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	188	MPa	
20°C	47.0	MPa	
60°C	34.0	MPa	
Impact Resilience (23°C)	46	%	ISO 4662

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁵ (23°C)	71	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	23	%	
70°C, 24 hr	45	%	

Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C

Processing (Melt) Temp	210 to 230	°C
Mold Temperature	20.0 to 40.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Melt Temperature	195 to 215	°C

NOTE

1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
3.	200 mm/min
4.	200 mm/min
5.	500 mm/min

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