

Desmopan® DP 3360A

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

Extrusion- and injection molding grade; free from plasticizers; Application; Films; hard - soft systems

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

Physical	Nominal Value	Unit	Test Method
Density	1150	kg/m ³	ISO 1183 ¹

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	61		ISO 868 ²

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ³			DIN 53504
Break, 23°C	31.0	MPa	
10% Strain, 23°C	0.500	MPa	
50% Strain, 23°C	1.60	MPa	
100% Strain, 23°C	2.10	MPa	
300% Strain, 23°C	3.70	MPa	
Tensile Strain ⁴ (Break, 23°C)	940	%	DIN 53504
Abrasion Resistance (23°C)	76.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	34.0	MPa	
20°C	9.00	MPa	
60°C	6.00	MPa	
Impact Resilience (23°C)	53	%	ISO 4662

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁵ (23°C)	34	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	25	%	
70°C, 24 hr	56	%	

Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Processing (Melt) Temp	185 to 215	°C
Mold Temperature	20.0	°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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