

Desmopan® DP 2792A

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

Coating grade; does not contain any anti-hydrolysis agent; Application; Textile coating

General Information			
Uses	Coating Applications		
	Fabric Coatings		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	1210	kg/m ³	ISO 1183 ¹
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868 ²
Shore A, 3 sec	93		
Shore D, 15 sec	50		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ³			DIN 53504
Break, 23°C	28.3	MPa	
10% Strain	4.20	MPa	
50% Strain, 23°C	8.60	MPa	
100% Strain, 23°C	10.1	MPa	
300% Strain	16.6	MPa	
Tensile Strain ⁴ (Break, 23°C)	530	%	DIN 53504
Abrasion Resistance (23°C)	82.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	1.44	GPa	
20°C	0.119	GPa	
60°C	0.0520	GPa	
Impact Resilience (23°C)	35	%	ISO 4662
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁵ (23°C)	77	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	28	%	
70°C, 24 hr	70	%	
Injection	Nominal Value	Unit	
Drying Temperature	< 80.0	°C	
Processing (Melt) Temp	190 to 220	°C	

Mold Temperature	20.0 to 40.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Melt Temperature	180 to 200	°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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