

Desmopan® DP 2786A DPS 045

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

Extrusion grade; Grade for calendering; does not contain any anti-hydrolysis agent; Application; Textile coating

General Information			
Uses	Fabric Coatings		
RoHS Compliance	RoHS Compliant		
Processing Method	Calendering		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	1200	kg/m ³	ISO 1183 ¹

Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868 ²
Shore A, 3 sec	84		
Shore D, 15 sec	38		

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ³			DIN 53504
Break, 23°C	27.5	MPa	
10% Strain, 23°C	2.40	MPa	
50% Strain, 23°C	5.40	MPa	
100% Strain, 23°C	6.70	MPa	
300% Strain, 23°C	11.3	MPa	
Tensile Strain ⁴ (Break, 23°C)	600	%	DIN 53504
Abrasion Resistance (23°C)	18.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	525	MPa	
20°C	40.0	MPa	
60°C	22.0	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	28	%	
70°C, 24 hr	61	%	

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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

