

Desmopan® DP 2790A 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 (23°C)	1.21	g/cm ³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	92		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹			DIN 53504
Break, 23°C	40.0	MPa	
10% Strain, 23°C	3.60	MPa	
50% Strain, 23°C	8.10	MPa	
100% Strain, 23°C	9.80	MPa	
300% Strain, 23°C	19.1	MPa	
Tensile Strain ² (Break, 23°C)	560	%	DIN 53504
Abrasion Resistance (23°C)	21.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	1.10	GPa	
20°C	0.0940	GPa	
60°C	0.0390	GPa	
Impact Resilience (23°C)	30	%	ISO 4662

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³ (23°C)	93	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	26	%	
70°C, 24 hr	63	%	

Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Processing (Melt) Temp	210 to 230	°C
Mold Temperature	20.0	°C

Extrusion	Nominal Value	Unit
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Drying Temperature	< 80.0	°C
Melt Temperature	190 to 210	°C

NOTE

1.	200 mm/min
2.	200 mm/min
3.	500 mm/min

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