

Desmopan® DP 1485A

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

Extrusion- and injection molding grade; suitable for extrusion blow molding; very large processing window; high melt stability; Beads; Application; Bellows; Hoses, non-reinforced; Profiles; Injection molded engineering parts

General Information			
Features	High Melt Stability		
Uses	Engineering Parts		
	Hose		
	Profiles		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.22	g/cm ³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 23°C	84		
Shore D, 23°C	33		

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹			DIN 53504
Break, 23°C	45.0	MPa	
100% Strain, 23°C	5.20	MPa	
300% Strain, 23°C	9.00	MPa	
Tensile Strain ² (Break, 23°C)	700	%	DIN 53504
Abrasion Resistance (23°C)	30.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	290	MPa	
20°C	31.0	MPa	
60°C	21.0	MPa	
Impact Resilience (23°C)	44	%	ISO 4662

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³ (23°C)	63	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	19	%	

70°C, 24 hr	45	%
Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Processing (Melt) Temp	220 to 240	°C
Mold Temperature	20.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Melt Temperature	200 to 220	°C
NOTE		
1.	200 mm/min	
2.	200 mm/min	
3.	500 mm/min	

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