

Desmopan® DP 3378A

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

Extrusion grade; Hoses, non-reinforced

General Information			
Uses	Hose		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
Hardness	Nominal Value	Test Method	
Shore Hardness (Shore A)	80	ISO 868	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹			DIN 53504
Break, 23°C	43.0	MPa	
100% Strain, 23°C	3.90	MPa	
300% Strain, 23°C	9.70	MPa	
Tensile Strain ² (Break, 23°C)	680	%	DIN 53504
Abrasion Resistance (23°C)	31.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	46.0	MPa	
20°C	22.0	MPa	
60°C	12.0	MPa	
Impact Resilience (23°C)	57	%	ISO 4662
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³ (23°C)	67	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	46	%	
70°C, 24 hr	19	%	
Injection	Nominal Value	Unit	
Drying Temperature	< 90.0	°C	
Processing (Melt) Temp	210 to 230	°C	
Mold Temperature	20.0 to 40.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	< 90.0	°C	
Melt Temperature	200 to 220	°C	
NOTE			
1.	200 mm/min		
2.	200 mm/min		
3.	500 mm/min		

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