

# Desmopan® DP 3856D

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

## Message:

injection molding grade; modified with ABS; good low-temperature flexibility; good wear resistance; Application; Ski boot shells; Injection molded engineering parts

General Information			
Additive	Impact Modifier		
Features	Good Flexibility		
	Good Wear Resistance		
	Impact Modified		
Uses	Sporting Goods		
Processing Method	Injection Molding		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D, 23°C)	55		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup>			DIN 53504
Break, 23°C	63.0	MPa	
100% Strain, 23°C	19.0	MPa	
300% Strain, 23°C	37.0	MPa	
Tensile Strain <sup>2</sup> (Break, 23°C)	460	%	DIN 53504
Flexural Modulus <sup>3</sup> (23°C)	140	MPa	ISO 178
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	1.39	GPa	
20°C	0.335	GPa	
60°C	0.122	GPa	
Injection	Nominal Value	Unit	
Drying Temperature	< 100	°C	
Processing (Melt) Temp	230 to 245	°C	
Mold Temperature	40.0 to 60.0	°C	
NOTE			
1.	200 mm/min		
2.	200 mm/min		
3.	2.0 mm/min		

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