

Desmopan® 487 DPS 062

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

injection molding grade; easy-flowing; high scratch and wear resistance; low blooming; automotive interior applications

General Information			
Features	Good Flow		
	Good Wear Resistance		
	High Scratch Resistance		
	Low Blooming		
Uses	Automotive Applications		
	Automotive Interior Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.21	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 23°C	86		
Shore D, 23°C	36		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹			DIN 53504
Break, 23°C	39.3	MPa	
10% Strain, 23°C	1.70	MPa	
50% Strain, 23°C	4.70	MPa	
100% Strain, 23°C	5.90	MPa	
300% Strain, 23°C	14.4	MPa	
Tensile Strain ² (Break, 23°C)	550	%	DIN 53504
Abrasion Resistance (23°C)	13.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	117	MPa	
20°C	32.0	MPa	
60°C	20.0	MPa	
Impact Resilience (23°C)	58	%	ISO 4662
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³ (23°C)	75	kN/m	ISO 34-1
Compression Set			ISO 815

23°C, 72 hr	13	%
70°C, 24 hr	25	%
Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Processing (Melt) Temp	230 to 240	°C
Mold Temperature	20.0 to 40.0	°C
NOTE		
1.	200 mm/min	
2.	200 mm/min	
3.	500 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

