

Desmopan® 795 U

Thermoplastic Polyurethane Elastomer

Covestro - PUR

Message:

injection molding grade; with special UV stabilizers; good hydrolysis and microbial resistance; short cycle times; Application; Ear-tags

General Information			
Additive	UV Stabilizer		
Features	Fast Molding Cycle		
	Hydrolysis Resistant		
	Microbe Resistant		
Uses	Molded Ear Tags		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1200	kg/m ³	ISO 1183 ¹
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868 ²
Shore A, 3 sec	94		
Shore D, 15 sec	46		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ³			DIN 53504
Break, 23°C	49.3	MPa	
10% Strain, 23°C	7.30	MPa	
50% Strain, 23°C	12.0	MPa	
100% Strain, 23°C	14.2	MPa	
300% Strain, 23°C	32.1	MPa	
Tensile Strain ⁴ (Break, 23°C)	450	%	DIN 53504
Abrasion Resistance (23°C)	25.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	1.04	GPa	
60°C	0.0510	GPa	
Impact Resilience	32	%	ISO 4662
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ⁵	100	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	22	%	
70°C, 24 hr	42	%	
Injection	Nominal Value	Unit	

Drying Temperature	< 100	°C
Processing (Melt) Temp	210 to 230	°C
Mold Temperature	20.0 to 40.0	°C

NOTE

1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
3.	200 mm/min
4.	200 mm/min
5.	500 mm/min

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