

Desmopan® DP 3055D - DPS066

Thermoplastic Polyurethane Elastomer

Covestro - PUR

Message:

injection molding grade; with high mechanical strength for articles subject to wear; excellent abrasion resistance; good wear resistance; very easy release; very short cycle times; opaque to translucent; Cylindrical pellets; Rollers; Ear-tags; Technical parts

General Information			
Features	Fast Molding Cycle		
	Good Abrasion Resistance		
	Good Mold Release		
	Good Wear Resistance		
	High Strength		
Uses	Engineering Parts		
	Molded Ear Tags		
	Rollers		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
	Translucent		
Forms	Pellets		
Processing Method	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	97		
Shore D, 23°C	55		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress - 300% ¹ (23°C)	37.0	MPa	ISO 527-3
Abrasion Resistance (23°C)	30.0	mm ³	ISO 4649-A
Impact Resilience (23°C)	47	%	ISO 4662
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ² (23°C)	150	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	31	%	
70°C, 24 hr	47	%	
Injection	Nominal Value	Unit	

Processing (Melt) Temp	225 to 245	°C
Mold Temperature	40.0 to 60.0	°C
NOTE		
1.	200 mm/min	
2.	500 mm/min	

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