

Desmopan® DP 6088A

Thermoplastic Polyurethane Elastomer

Covestro - PUR

Message:

injection molding grade; very good hydrolysis and microbial resistance; easy-flowing; low warpage; very short cycle times; very easy release; Cylindrical pellets; hard - soft systems

General Information			
Features	Fast Molding Cycle		
	Good Flow		
	Good Mold Release		
	Hydrolysis Resistant		
	Low Warpage		
	Microbe Resistant		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 23°C)	88		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (23°C)	31.0	mm³	ISO 4649-A
Impact Resilience (23°C)	43	%	ISO 4662
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-3/200
Break, 23°C	26.0	MPa	
100% Strain,23°C	8.20	MPa	
300% Strain,23°C	14.1	MPa	
Tensile Elongation (Break, 23°C)	550	%	ISO 527-3/200
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹ (23°C)	46	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	23	%	
70°C, 24 hr	55	%	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	20.0 to 40.0	°C	
NOTE			

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