

Desmopan® 385 S

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

injection molding grade; hydrolysis-stabilised; high mechanical strength; Application; Technical parts; Screenpacks

General Information			
UL YellowCard	E465093-101727499		
Additive	Hydrolysis Resistant		
Features	High Strength		
Uses	Engineering Parts		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 23°C	85		
Shore D, 23°C	32		
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance (23°C)	30.0	mm³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	186	MPa	
20°C	51.0	MPa	
60°C	37.0	MPa	
Impact Resilience (23°C)	42	%	ISO 4662
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-3/200
Break, 23°C	40.0	MPa	
100% Strain,23°C	6.00	MPa	
300% Strain,23°C	17.0	MPa	
Tensile Elongation (Break, 23°C)	450	%	ISO 527-3/200
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹ (23°C)	70	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	30	%	
70°C, 24 hr	55	%	
Injection	Nominal Value	Unit	
Drying Temperature	< 80.0	°C	
Processing (Melt) Temp	210 to 230	°C	

Mold Temperature	20.0 to 40.0	°C
NOTE		
1.	500 mm/min	

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