

Desmopan 5377A

500 grade series, ether/ester / Shore hardness A 65 - 79

Extrusion- and injection molding grade; improved microbial resistance; Improved hydrolysis resistance; Application; Textile coating; Wristwatch straps; hard - soft systems

ISO Shortname

Property	Test Condition	Unit	Standard	Value		
				drying	annealed	-
				according to specifications		
Mechanical properties (23 °C/50 % r. h.)						
C shore hardness, method A		-	ISO 868		77	
C shore hardness, method D		-	ISO 868		28	
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		27,0	
Strain at break	200 mm/min	%	DIN 53504		644	
Stress at 10 % strain	200 mm/min	MPa	DIN 53504		1,3	
Stress at 50 % strain	200 mm/min	MPa	DIN 53504		3,6	
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		4,9	
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		8,9	
C Compression set	24 h; 70 °C	%	ISO 815		50	
C Compression set	72 h; 23 °C	%	ISO 815		20	
C Abrasion resistance		mm³	ISO 4649		80	
Impact resilience		%	ISO 4662		45	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		40	
Thermal properties						
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		180	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		29	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		21	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183-1			1140
Molding conditions						
Injection molding-Melt temperature		°C	-	180 - 200		
Injection molding-Mold temperature		°C	-			20 - 40
Extrusion-Melt temperature		°C	-	170 - 190		
Maximum drying temperature		°C	-			80

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

Impact properties: N = non-break, P = partial break, C = complete break

