



Desmopan DP 9380A

900 grade series, ether / Shore hardness A 80 - 84

Extrusion- and injection molding grade; very good hydrolysis and microbial resistance; good low-temperature flexibility; complies with VDE 0282-10; Application; Cable sheathings; Hoses, non-reinforced

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		82	
C shore hardness, method D		-	ISO 868		31	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		40	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		500	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		5.0	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		9.0	
C Compression set	24 h; 70 °C	%	ISO 815		42	
C Compression set	72 h; 23 °C	%	ISO 815		25	
C Abrasion resistance		mm³	ISO 4649		20	
Impact resilience		%	ISO 4662		50	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		50	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		14	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		8,3	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		6,3	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		73	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		37	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		30	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1110
Molding conditions						
Injection molding-Melt temperature		°C	-	205 - 225		
Injection molding-Mold temperature		°C	-			20 - 40
Extrusion-Melt temperature		°C	-	195 - 215		
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.