



Desmopan 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

ARET

Property	Test Condition	Unit	Standard	typical Value		
				drying	annealed	-
				according to specifications		
Mechanical properties (23 °C/50 % r. h.)						
C shore hardness A	1s	-	DIN ISO 7619-1		80	
C shore hardness D	1s	-	DIN ISO 7619-1		31	
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		39,9	
Strain at break	200 mm/min	%	DIN 53504		594	
Stress at 10 % strain	200 mm/min	MPa	DIN 53504		1,4	
Stress at 50 % strain	200 mm/min	MPa	DIN 53504		3,9	
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		5,2	
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		9,4	
C Compression set	24 h; 70 °C	%	DIN ISO 815-1, Method A		37	
C Compression set	72 h; 23 °C	%	DIN ISO 815-1		25	
C Compression set	24 h; 70 °C	%	DIN ISO 815-1, Method C		25	
C Abrasion resistance		mm³	ISO 4649 method A		20	
Rebound resilience		%	ISO 4662		50	
Tear strength	500 mm/min	kN/m	ISO 34-1		50	
Thermal properties						
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 1183-1			1110
Recommended processing and drying 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.

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

