



Desmopan DP 9370A

900 grade series, ether / Shore hardness A 65 - 79

Extrusion- and injection molding grade; very good hydrolysis and microbial resistance; good low-temperature flexibility; free from plasticizers; high moisture vapor transmission rate; Application: breathable films; Seals, membranes; Films; hard - soft systems; Sports shoe soles

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		70	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		25	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		800	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		2.4	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		4.3	
C Compression set	24 h; 70 °C	%	ISO 815		49	
C Compression set	72 h; 23 °C	%	ISO 815		22	
C Abrasion resistance		mm³	ISO 4649		69	
Impact resilience		%	ISO 4662		63	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		39	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		37	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		4,5	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		3,2	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		125	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		11	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		9	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1060
Molding conditions						
Injection molding-Melt temperature		°C	-	190 - 210		
Injection molding-Mold temperature		°C	-			20 - 40
Extrusion-Melt temperature		°C	-	175 - 210		
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.