



Desmopan DP 9665DU

900 grade series, ether / Shore hardness D 65 - 69

Extrusion- and injection molding grade; with special UV stabilizers; transparent up to 6 mm wall thickness; very good hydrolysis and microbial resistance; Application; Ski boot shells; Hoses, non-reinforced; Pneumatic hoses

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		98	
C shore hardness, method D		-	ISO 868		65	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		64	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		380	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		29	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		45	
C Compression set	24 h; 70 °C	%	ISO 815		53	
C Compression set	72 h; 23 °C	%	ISO 815		39	
C Abrasion resistance		mm³	ISO 4649		19	
Impact resilience		%	ISO 4662		40	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		208	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		1440	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		440	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		110	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		2550	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		816	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		215	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1175
Molding conditions						
Injection molding-Melt temperature		°C	-	220 - 235		
Injection molding-Mold temperature		°C	-			40 - 60
Extrusion-Melt temperature		°C	-	205 - 235		
Maximum drying temperature		°C	-			110

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.