



Desmopan W DP 85786A

W8000 grade series, aliphatics / Shore hardness A 85 - 89

Grade for calendering; no yellowing under the action of UV light; good low-temperature flexibility; high rebound resilience; improved microbial resistance; Improved hydrolysis resistance; Application; Textile coating

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		90	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		26	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		850	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		6,3	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		9,5	
C Compression set	24 h; 70 °C	%	ISO 815		43	
C Compression set	72 h; 23 °C	%	ISO 815		12	
C Abrasion resistance		mm³	ISO 4649		30	
Impact resilience		%	ISO 4662		62	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		74	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		67	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		22	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		15	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		220	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		83	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		56	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1130
Molding conditions						
Injection molding-Melt temperature		°C	-	170 - 190		
Injection molding-Mold temperature		°C	-			20
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.