



Desmopan DP 6065A

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

injection molding grade; free from plasticizers; very good hydrolysis and microbial resistance; very short cycle times; Application; hard - soft systems; 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		66	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		17	
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		2,7	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		6	
C Compression set	24 h; 70 °C	%	ISO 815		36	
C Compression set	72 h; 23 °C	%	ISO 815		16	
C Abrasion resistance		mm³	ISO 4649		150	
Impact resilience		%	ISO 4662		50	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		26	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		42	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		15	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		12	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		27	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		10	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		9	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1084
Molding conditions						
Injection molding-Melt temperature		°C	-	190 - 210		
Injection molding-Mold temperature		°C	-			20 -30
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.