



Desmopan DP 3380A

300 grade series, ester / Shore hardness A 80 - 84

Extrusion grade; free from plasticizers; Application; Hoses, reinforced; Profiles

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		80	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		44	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		590	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		4,5	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		8,3	
C Compression set	24 h; 70 °C	%	ISO 815		42	
C Compression set	72 h; 23 °C	%	ISO 815		18	
C Abrasion resistance		mm³	ISO 4649		20	
Impact resilience		%	ISO 4662		41	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		58	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		95	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		20	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		13	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		193	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		31	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		22	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1160
Molding conditions						
Injection molding-Melt temperature		°C	-	185 - 200		
Injection molding-Mold temperature		°C	-			20
Extrusion-Melt temperature		°C	-	175 - 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.

