



Desmopan 3385A

300 grade series, ester / Shore hardness A 85 - 89

Extrusion- and injection molding grade; good wear resistance; short cycle times; high melt stability; Application; hard - soft systems; Hoses, non-reinforced; Profiles; Injection molded engineering parts

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		85	
C shore hardness, method D		-	ISO 868		33	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		50	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		500	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		5	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		15	
C Compression set	24 h; 70 °C	%	ISO 815		42	
C Compression set	72 h; 23 °C	%	ISO 815		15	
C Abrasion resistance		mm³	ISO 4649		25	
Impact resilience		%	ISO 4662		50	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		70	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		32	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		12	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		8,1	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		84	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		28	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		21	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1200
Molding conditions						
Injection molding-Melt temperature		°C	-	190 - 210		
Injection molding-Mold temperature		°C	-			20
Extrusion-Melt temperature		°C	-	175 - 205		
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.