Desmopan 3485A

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

Extrusion- and injection molding grade; suitable for extrusion blow molding; with release agent; high melt stability; Application; Bellows; Injection molded engineering parts

ISO Shortname

	Property	Test Condition	Unit	Standard	Value drying	Value annealed	Value - 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		5.0	
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	
	Flexural modulus	2 mm/min	MPa	ISO 178		17	
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		140	
	Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		42	
	Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		32	
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 - 40
	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.