



Desmopan DP 2586A

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

Extrusion- and injection molding grade; does not contain any anti-hydrolysis agent; food contact applications are possible, contact our HSEQ department; Beads; Application; Blown films

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		86	
C shore hardness, method D		-	ISO 868		38	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		45	
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		5.6	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		12	
C Compression set	72 h; 23 °C	%	ISO 815		23	
C Abrasion resistance		mm³	ISO 4649		32	
Impact resilience		%	ISO 4662		46	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		71	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		37	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		12	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		8,3	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		188	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		47	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		34	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1190
Molding conditions						
Injection molding-Melt temperature		°C	-	210 - 230		
Injection molding-Mold temperature		°C	-			20 - 40
Extrusion-Melt temperature		°C	-	195 - 215		
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.

