



Desmopan DP 2590A

200 grade series, ester / Shore hardness A 90 - 94

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

ISO Shortname

Property	Test Condition	Unit	Standard	Value		
				drying according to specifications	annealed	-
Mechanical properties (23 °C/50 % r. h.)						
C shore hardness, method A		-	ISO 868		92	
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		10	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		30	
C Abrasion resistance		mm³	ISO 4649		60	
Impact resilience		%	ISO 4662		25	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		100	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		1860	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		74	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		29	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		1710	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		130	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		57	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1205
Molding conditions						
Injection molding-Melt temperature		°C	-	210 - 230		
Injection molding-Mold temperature		°C	-			20
Extrusion-Melt temperature		°C	-	190 - 210		
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.