



Desmopan DP 3070A

300 grade series, ester / Shore hardness A 65 - 79

injection molding grade; free from plasticizers; Application; Injection molded engineering parts; hard - soft systems

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		70	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		25	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		800	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		2,5	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		4,6	
C Compression set	24 h; 70 °C	%	ISO 815		52	
C Compression set	72 h; 23 °C	%	ISO 815		24	
C Abrasion resistance		mm³	ISO 4649		50	
Impact resilience		%	ISO 4662		47	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		36	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		11	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		4	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		2	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		17	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		12	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1148
Molding conditions						
Injection molding-Melt temperature		°C	-	185 - 215		
Injection molding-Mold temperature		°C	-			20
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.

