



Desmopan 487

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

injection molding grade; grease and oil-resistant; low compression set; good heat resistance; short cycle times; Application; Automotive engineering; roller coating; Seals, membranes; Damping elements

ISO Shortname

Property	Test Condition	Unit	Standard	typical Value		
drying annealed -						
according to specifications						
Mechanical properties (23 °C/50 % r. h.)						
C shore hardness A	1s	-	DIN ISO 7619-1		86	
C shore hardness D	1s	-	DIN ISO 7619-1		33	
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		41,8	
Strain at break	200 mm/min	%	DIN 53504		541	
Stress at 10 % strain	200 mm/min	MPa	DIN 53504		1,6	
Stress at 50 % strain	200 mm/min	MPa	DIN 53504		4,5	
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		5,8	
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		14,4	
C Compression set	24 h; 70 °C	%	DIN ISO 815-1, Method A		23	
C Compression set	72 h; 23 °C	%	DIN ISO 815-1		13	
C Compression set	24 h; 70 °C	%	DIN ISO 815-1, Method C		16	
C Abrasion resistance		mm³	ISO 4649 method A		12	
Rebound resilience		%	ISO 4662		57	
Tear strength	500 mm/min	kN/m	ISO 34-1		84	
Thermal properties						
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		183	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		36	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		24	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183-1			1196
Molding conditions						
Injection molding-Melt temperature		°C	-	230 - 240		
Injection molding-Mold temperature		°C	-			20 - 40
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.

Impact properties: N = non-break, P = partial break, C = complete break

