

Desmopan 192

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

injection molding grade; with high mechanical strength for articles subject to wear; Application; Shift lever balls; Roller tires; Coupling elements; Shoe heels

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		92	
C shore hardness D	1s	-	DIN ISO 7619-1		42	
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		52	
Strain at break	200 mm/min	%	DIN 53504		590	
Stress at 10 % strain	200 mm/min	MPa	DIN 53504		4,0	
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		9,5	
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		17	
C Compression set	24 h; 70 °C	%	DIN ISO 815-1, Method A		40	
C Compression set	72 h; 23 °C	%	DIN ISO 815-1		25	
C Compression set	24 h; 70 °C	%	DIN ISO 815-1, Method C		29	
C Abrasion resistance		mm³	ISO 4649 method A		32	
Rebound resilience		%	ISO 4662		37	
Tear strength	500 mm/min	kN/m	ISO 34-1		85	
Thermal properties						
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		450	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		93	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		48	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183-1			1230
Recommended Processing and Drying Conditions						
Injection molding-Melt temperature		°C	-	210 - 225		
Injection molding-Mold temperature		°C	-			20 - 40
Maximum drying temperature		°C	-			90

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



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