

Desmopan 85085A DPS 055

W8000 grade series, aliphatics / Shore hardness A 86 - 89 injection molding grade; no yellowing under the action of UV light; improved microbial resistance; good low-temperature flexibility; Improved hydrolysis resistance; Application; automotive interior applications

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		85
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		31,3
Strain at break	200 mm/min	%	DIN 53504		823
Stress at 10 % strain	200 mm/min	MPa	DIN 53504		2,4
Stress at 50 % strain	200 mm/min	MPa	DIN 53504		5,1
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		6,4
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		10,7
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		18
C Compression set	24 h; 70 °C	%	DIN ISO 815-1, Method C		23
C Abrasion resistance		mm ³	ISO 4649 method A		28
Rebound resilience		%	ISO 4662		63
Tear strength	500 mm/min	kN/m	ISO 34-1		75
Thermal properties					
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		207
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		86
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		55
Other properties (23 °C)					
C Density		kg/m ³	ISO 1183-1		1130
Recommended Processing and Drying Conditions					
Injection molding-Melt temperature		°C	-	180-210	
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



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Disclaimer

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ISO Datasheet