



Desmopan 795 U

700 grade series, carbonates / Shore hardness D 45 - 49

injection molding grade; with special UV stabilizers; good hydrolysis and microbial resistance; short cycle times; Application; Ear-tags

ISO Shortname

Property	Test Condition	Unit	Standard	typical Value		
				drying	annealed	-
				according to specifications		
Mechanical properties (23 °C/50 % r. h.)						
C shore hardness, method A		-	ISO 868		94	
C shore hardness, method D		-	ISO 868		46	
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		49,3	
Strain at break	200 mm/min	%	DIN 53504		449	
Stress at 10 % strain	200 mm/min	MPa	DIN 53504		7,3	
Stress at 50 % strain	200 mm/min	MPa	DIN 53504		12,0	
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		14,2	
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		32,1	
C Compression set	24 h; 70 °C	%	ISO 815		42	
C Compression set	72 h; 23 °C	%	ISO 815		22	
C Abrasion resistance		mm³	ISO 4649 method A		25	
Impact resilience		%	ISO 4662		32	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		102	
Thermal properties						
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		1040	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		51	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183-1			1200
Molding conditions						
Injection molding-Melt temperature		°C	-	210 - 230		
Injection molding-Mold temperature		°C	-			20 - 40
Maximum drying temperature		°C	-			100

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

