Desmopan KU 2-8798 A

300 grade series, ester / Shore hardness D 50 - 54

injection molding grade; with special UV stabilizers; Easy release; short cycle times; Application; Sports shoe soles

ISO Shortname

	Property	Test Condition	Unit	Standard	Value drying	Value annealed	Value - according to specifications
Mechanical properties (23 °C/50 % r. h.)							
C	shore hardness, method A		-	ISO 868		96	
C	shore hardness, method D		-	ISO 868		53	
C	Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		65	
C	Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		400	
C	Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		17	
C	Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		39	
C	Compression set	24 h; 70 °C	%	ISO 815		45	
C	Compression set	72 h; 23 °C	%	ISO 815		25	
C	Abrasion resistance		mm³	ISO 4649		25	
	Impact resilience		%	ISO 4662		36	
	Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		120	
Thermal properties							
	Torsional storage modulus	-20 °C	MPa	ISO 6721-2		390	
	Torsional storage modulus	23 °C	MPa	ISO 6721-2		62	
	Torsional storage modulus	70 °C	MPa	ISO 6721-2		27	
	Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		755	
	Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		135	
	Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		60	
Other properties (23 °C)							
C	Density		kg/m³	ISO 1183			1220
Molding conditions							
	Injection molding-Melt temperature		°C	-	195 - 215		
	Injection molding-Mold temperature		°C	-			20 - 40
	Maximum drying temperature		°C	-			110

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.