



Desmopan KA 8529

Impact modified Ester grades / Shore hardness D 55 - 59

injection molding grade; modified with ABS; good low-temperature flexibility; good wear resistance; Application; Ski boot shells

ISO Shortname

Property	Test Condition	Unit	Standard	Value		
				drying	annealed	-
				according to specifications		
Mechanical properties (23 °C/50 % r. h.)						
C shore hardness, method A		-	ISO 868		97	
C shore hardness, method D		-	ISO 868		60	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		64	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		440	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		23	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		41	
C Compression set	24 h; 70 °C	%	ISO 815		60	
C Compression set	72 h; 23 °C	%	ISO 815		30	
C Abrasion resistance		mm³	ISO 4649		30	
Impact resilience		%	ISO 4662		38	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		140	
Flexural modulus	2 mm/min	MPa	ISO 178		260	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		600	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		157	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		57	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		1150	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		330	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		122	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1200
Molding conditions						
Injection molding-Melt temperature		°C	-	225 - 240		
Injection molding-Mold temperature		°C	-			40 - 60
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.