



Desmopan 3860D

Impact modified Ester grades / Shore hardness D 60 - 64

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

ISO Shortname

Property	Test Condition	Unit	Standard	typical Value		
drying annealed - according to specifications						
Mechanical properties (23 °C/50 % r. h.)						
C shore hardness D	1s	-	DIN ISO 7619-1		59	
Ultimate tensile strength	200 mm/min	MPa	DIN 53504		52	
Strain at break	200 mm/min	%	DIN 53504		430	
Stress at 10 % strain	200 mm/min	MPa	DIN 53504		13	
Stress at 100 % strain	200 mm/min	MPa	DIN 53504		25	
Stress at 300 % strain	200 mm/min	MPa	DIN 53504		44	
C Abrasion resistance		mm³	ISO 4649 method A		35	
Rebound resilience		%	ISO 4662		42	
Flexural modulus	2 mm/min	MPa	ISO 178		230	
Thermal properties						
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		1750	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		500	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		160	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183-1			1200
Molding conditions						
Injection molding-Melt temperature		°C	-	235-245		
Injection molding-Mold temperature		°C	-			40-50
Drying Temperature		°C	-			100-110

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.

Impact properties: N = non-break, P = partial break, C = complete break

