



Desmopan DP 9650DU

900 grade series, ether / Shore hardness D 50 - 54

Extrusion- and injection molding grade; with special UV stabilizers; transparent up to 6 mm wall thickness; very good hydrolysis and microbial resistance; Application; Ski boot shells; Hoses, non-reinforced

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		96	
C shore hardness, method D		-	ISO 868		53	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		60	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		385	
C Stress at 100 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		19	
C Stress at 300 % strain	200 mm/min	MPa	acc. ISO 527-1,-3		41	
C Compression set	24 h; 70 °C	%	ISO 815		45	
C Compression set	72 h; 23 °C	%	ISO 815		23	
C Abrasion resistance		mm³	ISO 4649		25	
Impact resilience		%	ISO 4662		27	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		140	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		372	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		62	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		22	
Tensile storage modulus	-20 °C	MPa	ISO 6721-1,-4		1940	
Tensile storage modulus	20 °C	MPa	ISO 6721-1,-4		363	
Tensile storage modulus	60 °C	MPa	ISO 6721-1,-4		130	
Molding conditions						
Injection molding-Melt temperature		°C	-	215 - 235		
Injection molding-Mold temperature		°C	-			40 - 60
Extrusion-Melt temperature		°C	-	200 - 235		
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