



Desmopan DP 1350D

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

Extrusion grade; high cracking pressure; good wear resistance; high melt stability; Beads; opaque to translucent; Application; Pneumatic hoses

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		52	
C Ultimate tensile strength	200 mm/min	MPa	acc. ISO 527-1,-3		55	
C Elongation at break	200 mm/min	%	acc. ISO 527-1,-3		460	
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		35	
C Compression set	24 h; 70 °C	%	ISO 815		49	
C Compression set	72 h; 23 °C	%	ISO 815		25	
C Abrasion resistance		mm³	ISO 4649		29	
Impact resilience		%	ISO 4662		31	
Tear propagation resistance	500 mm/min	kN/m	ISO 34-1		134	
Thermal properties						
Torsional storage modulus	-20 °C	MPa	ISO 6721-2		508	
Torsional storage modulus	23 °C	MPa	ISO 6721-2		74	
Torsional storage modulus	70 °C	MPa	ISO 6721-2		30	
Other properties (23 °C)						
C Density		kg/m³	ISO 1183			1240
Molding conditions						
Extrusion-Melt temperature		°C	-	210 - 230		

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.