

DuraSurf™ 2001

Ultra High Molecular Weight Polyethylene

Crown Plastics

Message:

Since 1991, our standard product has become the industry standard for sintered base material. In that time, nearly every snowboard produced in North America using screen printed sintered base has been made with DuraSurf™ 2001.

As the leader and driving force behind the colored base phenomenon, DuraSurf™ 2001 is currently available in over 130 Pantone colors, with complete Pantone color matching capability available including fluorescents and metallics.

General Information			
Uses	Screen Printing		
Appearance	Colors Available		
Processing Method	Sintering		
Physical	Nominal Value	Unit	Test Method
Density	> 0.930	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	0.0	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow	7.0	%	
Across Flow	2.7	%	
Average Molecular Weight			
--	6500000	g/mol	
--	4400000	g/mol	ASTM D4020
Crystallinity	53	%	DSC
Abrasion Resistance - Sand Slurry	0.588		
Thermal Response			Internal Method
Linear	< 2.0	%	
Trans.	< 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	680	MPa	ASTM D638, ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	2.0E-4	cm/cm/°C	ASTM D696

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Recommended distributors for this material

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