

DuraSurf™ 4001

Ultra High Molecular Weight Polyethylene

Crown Plastics

Message:

A higher molecular weight version of our standard product, DuraSurf™ 4001 takes an already industry-best durability to an even greater level. Without a doubt the toughest material on the hill, DS4001 is the choice of the most extreme riders!

As the leader and driving force behind the colored base phenomenon, DuraSurf™ 4001 is currently available in over 130 Pantone colors, with complete Pantone color matching capability available including fluorescents and metallics.

General Information			
Features	Durable		
	High Molecular Weight		
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	8.1	%	
Across Flow	-0.20	%	
Average Molecular Weight			
--	8100000	g/mol	
--	5400000	g/mol	ASTM D4020
Crystallinity	53	%	DSC
Abrasion Resistance - Sand Slurry	0.586 to 0.591		
Thermal Response			Internal Method
Linear	< 1.0	%	
Trans.	< 2.0	%	
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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

