

Desmovit® DP R Eco NF10

Thermoplastic Polyurethane Elastomer (Ester/Ether)

geba Kunststoffcompounds GmbH

Message:

A further advantage is the fracture behaviour. The material forms no sharp edges when breaking, so that the risk of injury is reduced to a minimum. Desmovit ® DP R Eco NF can be perfectly used for the production of sporting goods.

Besides the above mentioned advantages, injection moulders can score with the title "usage of renewable raw materials". The ecological thought is underlined by the haptics and optics of the material. Currently, Desmovit ® DP R Eco NF is offered with a 10% and 20% natural-fibre reinforcement.

General Information			
Filler / Reinforcement	Natural Fiber,10% Filler by Weight		
Features	High Impact Resistance		
	Renewable Resource Content		
Uses	Sporting Goods		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	39.0	MPa	ISO 527-2/200
Tensile Strain (Break)	16	%	ISO 527-2/200
Flexural Modulus ¹	649	MPa	ISO 178
Flexural Stress ² (23°C)	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m ²	
23°C	29	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	75	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	6.0	hr	
Processing (Melt) Temp	190 to 210	°C	
Mold Temperature	40.0	°C	

Extrusion	Nominal Value	Unit
Melt Temperature	200 to 220	°C
NOTE		
1.	1.0 mm/min	
2.	2.0 mm/min	

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

