Desmovit® DP R9930

Thermoplastic Polyurethane Elastomer (Ester/Ether)

geba Kunststoffcompounds GmbH

Message:

Ether Based Injection Moulding Type with a Glass Fibre Content of 20 %
Characteristics:
very high stiffness, extreme impact strength and fl exibility at low temperature, very good hydrolysis and microbial resistance, seawater proof, good UV resistance, high shock resistance & high fl exibility, good noise absorption, excellent colorability and printability
Applications:
mechanically highly stressed components of technical applications (indoor and outdoor), protectors for skiing, horse riding and motor sports, fi shing net sinker, helmets, winter sport products such as ski tips, ski edge protection parts, ski bindings, ski boots, goggles, housings in the offshore area

General Information	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight
Features	Excellent Printability
	Good Colorability
	Good Flexibility
	Good UV Resistance
	High Impact Resistance
	High Stiffness
	Hydrolysis Resistant
	Low Temperature Flexibility
	Low Temperature Impact Resistance
	Microbe Resistant
	Noise Damping
	Salt Water/Spray Resistant
	Shock Resistant
Uses	Outdoor Applications
	Safety Equipment
	Safety Guards
	Safety Helmets
	Sporting Goods
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm³	ISO 1183/A
Molding Shrinkage			
Across Flow	0.58	%	
Flow	0.20	%	

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	71		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	73.0	MPa	ISO 527-2/200
Tensile Strain (Break)	6.0	%	ISO 527-2/200
Flexural Modulus [1]			ISO 178
-30°C	4600	MPa	
23°C	3000	MPa	
Flexural Stress [2]			ISO 178
-30°C	161	MPa	
23°C	87.2	MPa	
Abrasion	102	mm^3	ISO 4649
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	> 8.5	kJ/m^2	
23°C	> 18	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	70	kJ/m^2	
23°C	> 60	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	174	°C	ISO 75-2/B
1.8 MPa, Unannealed	121	°C	ISO 75-2/A
Vicat Softening Temperature	115	°C	ISO 306/B50
CLTE			DIN 53752-A
Flow	1.4E-5	cm/cm/°C	
Transverse	1.2E-4	cm/cm/°C	
Injection	**Nominal Value**	**Unit**	
Drying Time	2.0	hr	
Processing (Melt) Temp	200 to 230	°C	
Mold Temperature	40.0 to 80.0	°C	
NOTE			
1.	1.0 mm/min		
2.	2.0 mm/min		

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


WECHAT