

Keyflex® BT 3038D

Thermoplastic Copolyester Elastomer

LG Chem Ltd.

Message:

Description
Fast Molding, Low Modulus
Application
Automotive Interior, Soft Touch Grips

General Information			
Features	Fast Molding Cycle		
Uses	Automotive Interior Parts		
	Flexible Grips		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 23°C, Injection Molded	80		
Shore D, 23°C, Injection Molded	36		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break, 23°C, 2.00 mm, Injection Molded)	20.6	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 2.00 mm, Injection Molded)	700	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 6.40 mm, Injection Molded	No Break		
23°C, 6.40 mm, Injection Molded	No Break		
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	205	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	

Suggested Max Moisture	< 0.010	%
Rear Temperature	205 to 225	°C
Middle Temperature	215 to 235	°C
Front Temperature	220 to 240	°C
Nozzle Temperature	220 to 240	°C
Processing (Melt) Temp	205 to 235	°C
Mold Temperature	20.0 to 40.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	< 0.010	%
Cylinder Zone 1 Temp.	205 to 225	°C
Cylinder Zone 2 Temp.	210 to 230	°C
Cylinder Zone 3 Temp.	215 to 235	°C
Cylinder Zone 4 Temp.	215 to 235	°C
Adapter Temperature	215 to 235	°C
Melt Temperature	205 to 235	°C
Die Temperature	205 to 245	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	15 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

