

LOTTE CHEMICAL

Jan.2017

POPELEN G-153B

General Information

characteristics

- ◆ High Stiffness, Heat Resistance, Low Mold Shrinkage

Application

- ◆ Automotive Parts, Home Electric Goods, Aircon Fan, Industrial Appliance, etc.

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index (230°C)	ASTM D 1238	5.0	g/10min		
Density	ASTM D 792	1.12	g/cm³		
Shrinkage (MD)	LC Method	0.4	%		
Shrinkage (TD)	LC Method	0.7	%		
Mechanical					
Yield Strength	ASTM D 638	950	kgf/cm²	93	MPa
Elongation	ASTM D 638	≥3.0	%		
Flexural Modulus	ASTM D 790	1,100	kgf/cm²	108	MPa
Flexural Strength	ASTM D 790	60,000	kgf/cm²	5,900	MPa
Impact					
IZOD Impact Strength (23°C)	ASTM D 256	12.0	kgf·cm/cm	118	J/m
Thermal					
Heat Distortion Temp.(4.6kgf/cm²)	ASTM D 648	160	°C		
Additional					
Rockwell Hardness	ASTM D 785	95	R		

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications

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