

LOTTE CHEMICAL

Mar.2017

POPELEN G-152NP

General Information

characteristics

- ◆ High Stiffness, Heat Resistance, Low Mold Shrinkage

Application

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

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index (230°C)	ASTM D 1238	5.5	g/10min		
Density	ASTM D 792	1.20	g/cm³		
Shrinkage (MD)	LC Method	0.5	%		
Shrinkage (TD)	LC Method	0.9	%		
Mechanical					
Yield Strength	ASTM D 638	875	kgf/cm²	86	MPa
Elongation	ASTM D 638	8	%		
Flexural Modulus	ASTM D 790	1,100	kgf/cm²	108	MPa
Flexural Strength	ASTM D 790	40,700	kgf/cm²	3,991	MPa
Impact					
IZOD Impact Strength (23°C)	ASTM D 256	8.6	kgf·cm/cm	84	J/m
Thermal					
Heat Distortion Temp.(4.6kgf/cm²)	ASTM D 648	157	°C		
Additional					
Rockwell Hardness	ASTM D 785	112	R		

NOTE

ISO 9001, 14001, /TS 16949

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