

# DynaMix Lite™ 3144-GHIL

Polyether Imide

Polymer Dynamix

Message:

Glass Filled Impact Modified PEI

Features:

Excellent Processability

Low Density

Good Dimensional Stability

Good Toughness

Applications:

Automotive

Industrial

Small Appliances

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Impact Modifier		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	High Impact Resistance		
	Impact Modified		
	Low Density		
Uses	Appliance Components		
	Appliances		
	Automotive Applications		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	93.1	MPa	ASTM D638
Tensile Elongation (Break)	6.0 to 8.0	%	ASTM D638
Flexural Modulus	4690	MPa	ASTM D790
Flexural Strength	114	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	135 to 149	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	332 to 374	°C
Middle Temperature	338 to 377	°C
Front Temperature	343 to 382	°C
Nozzle Temperature	343 to 388	°C
Processing (Melt) Temp	343 to 388	°C
Mold Temperature	121 to 177	°C
Injection Rate	Moderate	
Screw Speed	20 to 100	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm <sup>2</sup>

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

