

**Manufacturer: Kunshan Kesun Polymer Co., Ltd. KESUN****GURAM® BG45NL****Product Feature:**

**GURAM®** is TPE compounding produced by KESUN. It's safety, recyclable and environmentally friendly, has soft touch and good elasticity; also has excellent pigmentation, excellent weather and temperature resistance. Be used in injection, extrusion, calendaring and blow molding with good processing stability. It has wide applications in daily necessities, sports accessories, toys, decorative materials, auto parts and other applications.

**BG45NL** is TPE compounding based on Styrene Butadiene Copolymer, it's no odor, has soft touch, smooth surface and excellent elasticity, Specifications for injection molding developed for high-end products. Typically used in bicycle handle and tool handle products.

**Product Properties :**

Typical Properties	Test Method	Units	Typical values*
Form	N/A	-	Particle
Color	N/A	-	Natural colour
Hardness	ASTM D-2240	shore A	45
Specific Gravity	ASTM D-792	g/cm3	1.0
Melt Flow Index @190°C/2.16Kg	ASTM D-1238	g/10min	28
Tensile Stress	ASTMD-412	MPa	3
Tear Strength	ASTMD-624	N/mm	22
Ultimate Elongation	ASTMD-412	%	750

**EGYPTIAN SAUDI COMPANY FOR PLASTIC**

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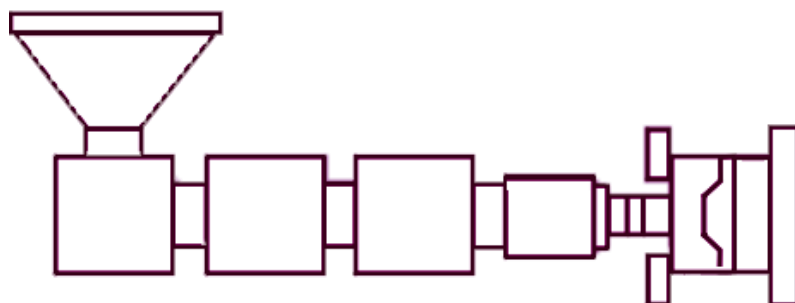
## GURAM® BG45NL

### Processing Guidelines:

#### Injection Moulding

##### Guidelines

Mold Shrinkage:	0.015~0.025
Injection Speed:	inch/inch Medium -
Injection	Fast Medium - Fast
Pressure: Back	Low - Medium
Pressure: Holding	Sufficient to pack the
Pressure:	mould Can be demoulded
Cooling:	when parts have sufficiently
	cooled



120-150

150-170

160-190

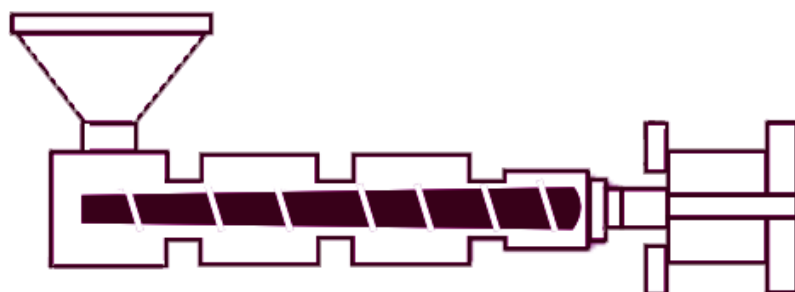
160-190

15-50

Barrel Temperature  
(°C)

#### Extrusion Guidelines

L/D Ratio:	20:1 - 25:1
Compression Ratio:	2.5 - 3.0
Breaker Plate/Screen:	Both should be
Draw	used 5 - 10%
Down:	Cold water bath
Cooling:	



120-150

140-160

150-180

150-180

150-180

Barrel Temperature  
(°C)

#### Processing Notes:

- A、 Normally need not drying, if absorbed moisture, pre-drying the particles for 2 to 4 hours at 80°C.
- B、 Cleaning the screw and die with PP or PE before and after processing.
- C、 The gate and runner can be recycled, but less than 15%.
- D、 PE/EVA base color masterbatch is better for coloring.

Kunshan Kesun Polymer Co., Ltd.



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