KESUN

GURAM®

EPK9000B

Technical Data Sheet

Product Feature:

GURAM®is TPE compounding produced by KESUN. It's safe, recyclable and environmentally friendly with soft touch and good elasticity and also excellent pigmentation, as well as good weather resistance. It is 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.

EPK9000B 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.

Product Properties:

Typical Properties	Test Method	Units	Typical values*
Form	N/A	-	Particle
Color	N/A	-	Black
Hardness	ASTM D-2240	shore A	93
Specific Gravity	ASTM D-792	g/cm3	1.22
Melt Flow Index @190℃/2.16Kg	ASTM D-1238	g/10min	30
Tensile Stress	ASTMD-412	MPa	8
Tear Strength	ASTMD-624	N/mm	35
Ultimate Elongation	ASTMD-412	%	300

*Above data for reference only.

Kunshan Kesun Polymer Co., Ltd

Add: No 108 Jinmao Road, Zhoushi Town, Kunshan City, Jingshu, China PC: 215300

Tel: 0512-55173009 Fax: 0512-57784279

Web: www.kesuntpe.com E-mail: info@kesuntpe.com

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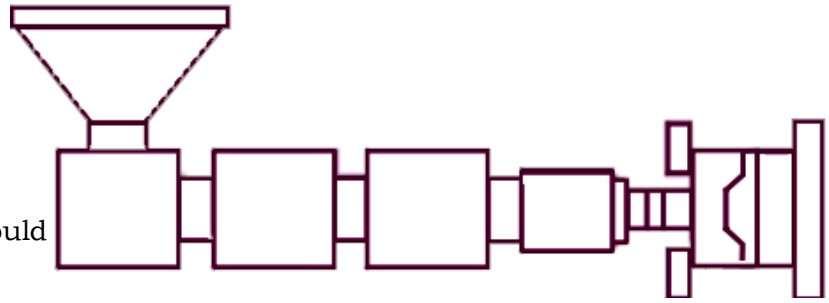
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Processing Guidelines:

Injection Moulding Guidelines

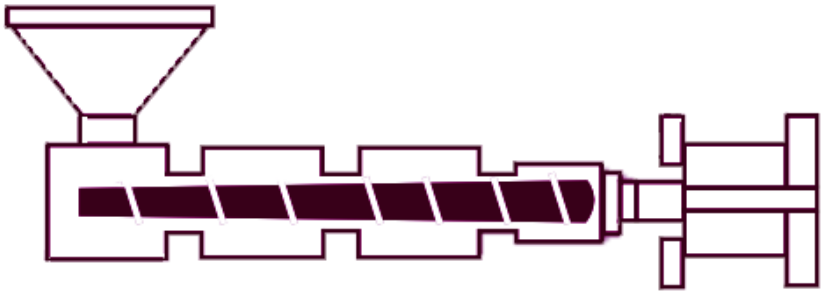
Mold Shrinkage:	0.015～0.025 inch/inch
Injection Speed:	Medium - Fast
Injection Pressure:	Medium - Fast
Back Pressure:	Low - Medium
Holding Pressure:	Sufficient to pack the mould
Cooling:	Can be demoulded when parts have sufficiently cooled



Barrel Temperature (℃)					
	130-170	150-190	160-200	160-200	15-50

Extrusion Guidelines

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



Barrel Temperature (℃)					
	150-170	170-200	180-210	180-210	180-210

Processing Notes:

A、Normally need not drying, if absorbed moisture, pre-drying the particles for 2 to 4 hours at 80℃.

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.

The information and suggestions contained in this bulletin are to the best of our knowledge, accurate and reliable, but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller' s suggestions. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.

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