

Technical Datasheet G 144

Product Description:

G-144 is a medium strength, good flow general purpose polystyrene mainly for injection molding. It is particularly useful for blend with high impact polystyrene in heat contact applications.

1) Applications:

G-144 is useful to home electric parts, toys and miscellaneous goods etc.

2) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Tensile Strength at Yield	ASTM D 638	MPa	47
Elongation	ASTM D 638	%	2
Flexural Strength	ASTM D 790	MPa	78
Flexural modulus	ASTM D 790	MPa	3040
Izod impact strength	ASTM D 256	J/m	16.7
Rockwell hardness	ASTM D 785	-	100
Melt flow index	ASTM D 1238	g/10 min	8.5
Vicat softening temp.	ASTM D 1525	°C	96
Mold shrinkage	ASTM D 955	%	0.4~0.7
Specific gravity	ASTM D 792	-	1.04
water absorption	ASTM D 570	%	0.03
Flammability	UL 94	class	HB

* Typical values not to be construed as specifications.