

K4527ET

Polypropylene (PP)

Description:

K4527ET is a Random Copolymer Polypropylene (Random co-PP) which developed for medical devices application. It has high transparency and high melt flow index for using in injection molding process. It features high clarity appearance and ethylene oxide resistance. It's suitable for medical devices such as syringe, housewares, consumer products, etc.

Typical applications;

Injection molding : Syringe, housewares, consumer products

Physical Properties:	Method	Unit	Value
Density	ASTM D792	g/cm ³	0.90
Melt Flow Index (2.16 kg/230°C)	ASTM D1238	g/10min.	27
Tensile Strength at Yield	ASTM D638	MPa	30
Izod Notched Impact Strength (at 23°C)	ASTM D256	J/m	45
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1200
Heat Distortion Temperature @ 4.6 kg	ASTM D648	°C	90

Processing Technique

Processing Temperature : 220 - 240 °C

However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.

Remark: The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.