

LL8420A

Linear Low Density Polyethylene Resin

Special Characteristics: InnoPlus LL8420A resin is a linear low density polyethylene which is designed for injection molding application. This grade has very narrow molecular weight distribution, offers an excellent impact strength, rigidity, environmental stress cracking resistance and processability.

Typical Applications: InnoPlus LL8420A is recommended for producing general purpose injection molding applications; lids, housewares, trash bins, masterbatch carrier.

Typical Properties:

Properties	LL8420A	Unit	Test Method
Physical Properties			
Melt Index (190 °C, 2.16 kg)	20	g/10 min	ASTM D1238
Density	0.924	g/cm ³	ASTM D792
Melting Temperature	123	°C	ASTM D3418
Vicat Softening Point	92	°C	ASTM D1525
Mechanical Properties (Based on compression specimens)			
Tensile Strength at Yield	14	MPa	ASTM D638
Tensile Strength at Break	10	MPa	ASTM D638
Elongation at Break	700	%	ASTM D638
1% Secant Modulus	300	MPa	ASTM D638
Durometer Hardness	52	Shore D	ASTM D2240

Recommendation:

The recommended temperature setting is in the range of 170 – 190 °C for extruder and 180 – 200 °C for Nozzle.

FDA Statement:

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however, we do not assume any liability what so ever for the accuracy and completeness of such information. We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

Note : Properties reported here are typical values of the product, not to be considered as specifications.

GTC makes no representations as to the accuracy or completeness of the information contained herein.