

MLP104

Technical Datasheet

Chemical Name	REFINED HIGH DENSITY POLYETHYLENE WAX (MLP104)	
Grade Name	MLP104	
CAS No.	9002-88-4	
HS Code	34049020	
EINECS No.	200-815-3	
Molecular Formula	(C ₂ H ₄) _n	
Synonyms	• Micronised Polyethylene Wax	
TEST	SPECIFICATION	METHOD
Appearance	Fine Micronized White Powder	Visual
Density (gm/ cm ³)	0.94-0.97	ASTM D 1505
Dropping point (Degrees C)	112-116	ASTM D 3954
Penetration Hardness	< 2	ASTM D 1321
Viscosity, (149 Degrees C)	20-40	ASTM D 3236
Particle Size D50 Microns	Max 15	Particle Size Analyzer (Wet Method)
Particle Size D99 Microns	Max 50	Particle Size Analyzer (Wet Method)
Differential Scanning Calorimetry (Degrees C)	98.5 - 112.5	Endothermic Temperature Peaks

Product Information:

- MLP104 is (Refined High Density Polyethylene Wax) Refined HDPE Wax.
- MLP104 is recommended for Hot Melt Adhesives (Typical dosage 20-30%)
- MLP104 is used in PVC (Typical use 0.5-1.5 phr)
- MLP104 is widely used in thermoplastic road marking (1-3%)
- MLP104 is recommended for use in colour masterbatch (10-30%)
- MLP104 is used in filler masterbatch (5-10%)
- MLP104 is used in cable filled compound 5-10 phr
- MLP104 is widely used as plastic processing aid (1-3%)

Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: It is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drug

Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)

Subchapter: B - Food For Human Consumption (Continued)

Part: 175 - Indirect Food Additives: Adhesives And Components Of Coatings

Subpart: C - Substances For Use As Components Of Coatings

Section: 175.300 Resinous And Polymeric Coatings

Product Registration: It is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drug

Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)

Subchapter: B - Food For Human Consumption (Continued)

Part: 178 - Indirect Food Additives: Adjuvants, Production Aids, And Sanitizers

Subpart: D - Certain Adjuvants and Production Aids

Section: 178.3850 Reinforced wax.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contact rising in connection with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its intended conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or for use for which implantation within human body is intended.