Technical Data Sheet

IPETHENE® 900

Low Density Polyethylene

CARMEL OLEFINS

Product Description

IPETHENE® 900 is a low-density polyethylene injection molding grade, produced by high-pressure autoclave technology.

Features:	• No additives • High flow	• Low warpage
Uses:	• Containers • Baskets	• Household articles • High filler compounds
Processing Methods:	• Compounding	• Injection molding

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(190°C/2.16 kg)	ISO 1133	50	g/10 min
Density		ISO 1183-A	0.916	g/cm^3
Shore Hardness	'D' Scale	ISO 868	42	
Thermal				
Peak Melting Temperature	By DSC	ISO 11357-3	105	°C
Vicat Softening Temperature	(10 N)	ISO 306	80	°C
Mechanical				
Tensile Stress at Break		ISO 527-2	8	MPa
Tensile Strain at Break		ISO 527-2	120	%

*Typical values; not to be construed as specifications.

Processing Recommendations

IPETHENE® 900 can be easily processed on conventional injection molding machines. Due to differences in machine type, part shape and mold design, processing conditions should be optimized for each production line.
Typical temperature profile: Barrel 160-220°C; Mold 10-40°C.

Health, Quality, Regulations and Safety

This product is not classified as dangerous substance and intended for industrial use, to produce plastic articles. Material safety data sheets, international standards certificates and other regulatory documents are available on our website. Carmel Olefins products have not been tested and therefore not validated for use in pharmaceutical/medical applications, and their suitability for these uses cannot be guaranteed. It is the customer's responsibility to test and approve their technical and regulatory suitability in order to satisfy themselves as to the particular purpose and application(s).

Carmel Olefins Ltd. POB 1468 Haifa 31014 Israel
Website: http://www.Carmel-Olefins.co.il
Email: techserv@caol.co.il

Date: January 2024

The information contained herein is to our knowledge accurate and reliable as of the date of publication. Carmel Olefins recommends its customers to review both the manufacturing processes and applications of Carmel Olefins products to ensure, that the products are not used for purposes they are not intended or tested for. Carmel Olefins extends no warranties and makes no representations as to the accuracy or completeness of the information contained herein and assumes no responsibility regarding the consequences of its use or for any printing errors. Our products are intended for sale to industrial and commercial customers. Data in this document relates only to the specific product and may not be valid for any combination of this product with other materials. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is responsible for its employees' safety and the appropriate, safe and legal use, processing, handling and disposing of our products and packaging. Carmel Olefins shall not be liable for any consequential, incidental or indirect damages resulting from this statement or its use.