

19N930

Product Technical Information

LDPE for Injection moulding.

Benefits & Features

19N930 is a low-density polyethylene intended for injection moulding. It is a medium MFR material, having good flow properties and allowing short cycle time. The moulded article is characterised by low degree of built-in stress, good stiffness, low warpage and high gloss

Applications

19N930 is recommended for injection moulding of flexible products which require good flow properties and short cycle time. The material is especially suitable for products like caps and closures, household goods and toys.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	7.5	g/10min
Physical				
Density	23°C, conditioning ISO 17855-1	ISO 1183-1	920	kg/m ³
Mechanical*				
Vicat Softening Temperature	Method A50 (10N, 50°C/h)	ISO 306	88	°C
Shore D Hardness		ISO 868	47	-
Tensile Stress at Yield		ISO 527	9	MPa
Tensile Stress at Break		ISO 527	10	MPa
Elongation at Break		ISO 527	550	%
Thermal				
Melting Temperature	DSC, 10°C/min	INEOS Test Method	108	°C
Data should not be used for specification work				

*Measurements made on compression moulded plaques

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.