

LLDPE Q224

PRODUCT DESCRIPTION

Q224 is a linear low density polyethylene copolymer injection moulding grade with a narrow molecular weight distribution. It has been typically designed to have good low temperature toughness, stress crack resistance (ESCR) and gloss.

TYPICAL PROPERTY VALUES

TIES	TYPICAL VALUES	UNITS	TEST METHODS
PROPERTIES			
	924	kg/m³	ASTM D1505
Rate (MFR)			
and 2.16 kg	20	dg/ min	ASTM D1238
CAL PROPERTIES			
est			
yield	12	MPa	ASTM D638
odulus at 1% elongation	315	MPa	ASTM D638
preak	450	%	ASTM D638
oreak	8.5	MPa	ASTM D638
act notched at 23°C	540	J/m	ASTM D256A
Shore D	55	-	ISO 868
0% Igepal CO-630), F50	24	h	ASTM D1693B
PROPERTIES			
ss Temperature	<-75	°C	ASTM D746
tening Temperature (at 10 N (VST/A)	94	°C	ASTM D1525
ss Temperature	. 0	· ·	

TYPICAL APPLICATIONS

Q224 is typically used for injection moulding of large items where high flow and fast cycles are required such as housewares, trash cans, automotive parts, lids, and large industrial containers.

This product is not intended for and must not be used in any pharmaceutical/medical applications.





PROCESSING CONDITIONS

Typical moulding conditions for **Q224** are:

Material temperature: 193 - 232 °C (380 - 450 °F)

Mould temperature: 5 - 30 °C (40 - 85 °F)

STORAGE AND HANDLING

Polyethylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. Qualitene would not give warranty to bad storage conditions which may lead to quality deterioration such as colour change, bad smell, and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

