

Moplen Z11G

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen Z11G is a polypropylene homo-polymer for general injection moulding applications.
Moplen Z11G is suitable for gamma rays sterilization and mainly used for syringes and hospital articles.
* Moplen Z11G is suitable for food and medical applications.

General Information			
Features	Food Contact Acceptable		
	Homopolymer		
	Radiation Sterilizable		
Uses	Hospital Goods		
	Hypodermic Syringe Parts		
	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	6.3	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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