

Moplen Q30G

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen Q30G is a homo-polymer polypropylene suitable for general purpose injection moulding applications. Moplen Q30G combines excellent process ability with an outstanding mechanical properties balance. Moplen Q30G is mainly used for technical items such as cops, cloths-pins.

* Moplen Q30G is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	Good Processability		
	Homopolymer		
Uses	Caps		
	Closures		
	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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