

Moplen H30G

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen H30G is a very high flow polypropylene homo-polymer with very narrow molecular weight distribution suitable for short cycle injection moulding and extrusion coating applications.

Moplen H30G combines high stiffness with good transparency and good adhesion.

Typical applications are injection moulding applications such as household articles, toys.

It is also well suited for high speed coating of paper coating and thin-walled packaging.

General Information			
Features	Fast Molding Cycle		
	Good Adhesion		
	High Clarity		
	High Flow		
	High Stiffness		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Coating Applications		
	Household Goods		
	Paper Coatings		
	Thin-walled Packaging		
	Toys		
Processing Method	Coating		
	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)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	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)	100	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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