

# Moplen H30S

Polypropylene Homopolymer  
Shazand (Arak) Petrochemical Corporation

Message:

Moplen H30S is a very high flow polypropylene homopolymer with very narrow molecular weight distribution suitable for injection moulding and extrusion coating applications. Moplen H30S combines high stiffness with glossy coatings and good adhesion. Typical applications are high speed coating of woven polypropylene film yarn fabrics and paper coating. It is also well suited for injection moulding applications such as household articles, toys and packaging.

\* Moplen H30S is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Adhesion		
	High Flow		
	High Gloss		
	High Stiffness		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Coating Applications		
	Fabric Coatings		
	Household Goods		
	Packaging		
	Paper Coatings		
	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)	93		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)	30	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)	96.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
NOTE			
1.	Loading 1 (10 N)		

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

