

# Moplen HP554P

Polypropylene Homopolymer  
Shazand (Arak) Petrochemical Corporation

Message:

Moplen HP554P is a homo-polymer, suitable for extrusion applications. It is formulated with an anti-gas fading stabilization package. Moplen HP554P is designed for production of fine denier staple fibres. Typical applications are thermal-bonded non-woven fabrics, upholstery and hygiene, in SSL and some LSL. Diapers, incontinence pads, feminine care, wipe filters.  
\* Moplen HP554P is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Homopolymer		
Uses	Fibers		
	Nonwovens		
	Sanitary Products		
	Staple Fibers		
	Textile Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	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)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1550	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)	5.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
NOTE			
1.	Loading 1 (10 N)		

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