

Moplen F39S

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen F39S is a polypropylene homo-polymer designed for the production of heavy denier staple fibres.
Moplen F39S is general purpose with high gas-fading resistance.
Moplen F39S is suitable for wool staple fibre and heavy denier CF multifilament.
* Moplen F39S is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Homopolymer		
Uses	Fibers		
	Filaments		
	Staple Fibers		
Processing Method	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	10.4	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.0	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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