

# Moplen S60D

Polypropylene Homopolymer

Shazand (Arak) Petrochemical Corporation

## Message:

Moplen S60D is a polypropylene homo-polymer suitable for extrusion and also injection moulding applications. Moplen S 60 D combines excellent long-term heat stability with good detergent resistance.

Typical applications are extruded sheet, blow moulded technical items (such as washing machine tanks) and fittings.

\* Moplen S60D is suitable for food contact.

General Information			
Features	Detergent Resistant Food Contact Acceptable Good Heat Aging Resistance High Heat Resistance Homopolymer		
Uses	Blow Molding Applications Fittings Sheet Tanks		
Processing Method	Extrusion Extrusion Blow Molding Injection Molding Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	2.7	month	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 <sup>1</sup>
NOTE			

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