

Moplen D60P

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen D60P is a homo-polymer with a high molecular weight and high outstanding mechanical properties. The product exhibits excellent long-term heat aging and detergents.

Moplen D60P is well suited for technical extrusion applications that require both high stiffness and high impact resistance.

Typical applications include the extrusion of pressure pipes, extruded and cast sheet.

Extrusion blow moulded small containers and technical parts are other typical applications of Moplen D60P.

Moplen D60P is also appropriate for injection moulding wheels, fittings and high performance industrial components.

General Information			
Features	Detergent Resistant		
	Food Contact Acceptable		
	Good Heat Aging Resistance		
	High Impact Resistance		
	High Molecular Weight		
	High Stiffness		
	Homopolymer		
Uses	Containers		
	Engineering Parts		
	Fittings		
	Industrial Applications		
	Piping		
	Profiles		
	Sheet		
	Strapping		
	Tubing		
Processing Method	Casting		
	Extrusion		
	Injection Molding		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	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)	90.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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