

Moplen EPD60R

Polypropylene Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPD60R is a high molecular weight hetrophasic copolymer for blow moulding and extrusion and is designed to produce items with superior toughness even at low temperatures. Moplen EPD60R exhibits excellent heat and detergent resistance. Because of its excellent impact strength and its particular formulation, Moplen EPD60R is well suited for extrusion blow moulding appliance components, wheels, under the hood automotive parts, toolboxes, suitcases and large containers. Extrusion applications of Moplen EPD60R include profiles, pipes and tough sheet for industrial applications. Sheet produced with Moplen EPD60R is also well suited for thermoforming trays for cold storage. Moplen EPD60R can be compression moulded into thick sheets. * Moplen EPD60R is suitable for food contact.

General Information	
Features	Copolymer
	Detergent Resistant
	Food Contact Acceptable
	Good Toughness
	High Heat Resistance
	High Impact Resistance
	Low Temperature Toughness
Uses	Appliance Components
	Automotive Applications
	Blow Molding Applications
	Containers
	Industrial Applications
	Luggage
	Piping
	Profiles
	Sheet
	Support Trays
	Tool/Tote Box
	Wheels
Processing Method	Compression Molding
	Extrusion
	Extrusion Blow Molding
	Pipe Extrusion
	Profile Extrusion
	Sheet Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	76		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	70	J/m	
23°C	600	J/m	
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)	82.0	°C	ASTM D648
Vicat Softening Temperature	120	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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