

Moplen EPC40R

Polypropylene Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPC40R is a heterophasic polypropylene copolymer designed for injection moulding battery cases & technical items. The product offers an excellent balance of mechanical properties & process ability & features an excellent long-term heat-stability. Articles moulded with Moplen EPC40R offer a good balance of stiffness & toughness, good surface properties & a very high resistance to chemicals & crazing. Moplen EPC40R is largely used for automotive components .Battery cases, cooling water compensation reservoirs, brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims & door trim panels are typical applications. In the electro-technical industries, Moplen EPC40R is used for appliance, cables & wires (e.g. as slotted core element in fibre optic cables).

* Moplen EPC40R is suitable for food contact.

General Information			
Features	Balanced Stiffness/Toughness		
	Copolymer		
	Crazing Resistant		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Heat Aging Resistance		
	Good Processability		
	Good Surface Finish		
Uses	Appliances		
	Automotive Applications		
	Automotive Interior Parts		
	Automotive Interior Trim		
	Automotive Under the Hood		
	Battery Cases		
	Engineering Parts		
	Fiber Optic Cable		
	Wire & Cable Applications		
Processing Method	Injection Molding		
	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638

Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	40	J/m	
23°C	95	J/m	
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	1.4	month	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material


Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT