

Marun - Mr 230 c

Moplen MR230C

Moplen MR230C is a polypropylene random copolymer grade, designed for hot and cold water supply systems. It is also suitable for industrial water conveyance.

The material has excellent creep properties and processability by extrusion and by injection moulding.

PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)	
Physical properties	Melt flow rate (190°C, 5 kg)	D 1238 L	Dg / min	0.4-0.6
	Melt flow rate (230°C, 2.16 kg)	D 1238 L	Dg / min	<0.3
	Melt flow rate (230°C, 2.16 kg)	D 1238 L	Dg / min	0.8-1.3
	Hardness Rockwell			
	Linear coefficient of expansion	D696	mm/(m. °C)	0.11
	Thermal conductivity (23°C)			
	Specific gravity	D792	-	0.89
Mechanical properties	Flexural modulus			
	Tensile strength yield			
	Elongation at yield	D790	MPa	950
	Notched IZOD impact strength at 23°C	D638	MPa	28
	at 0°C	D638	%	>430
	at -23°C	D256	J/m	NB
		D256	J/m	160
		D256	J/m	50
		D256	J/m	NB
	Unnotched IZOD imp. Strength at 23°C	D256	J/m	NB
at 0°C				
Thermal properties	Vicat softening point (9.8 N)	D1525	°C	135
	H.D.T. (0.46 Mpa)	D648	°C	82
	Accelerated oven ageing at 135 °C	D 3012	hours	>9000

a) Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data are accumulated.