



MR230C Datasheet

Description:	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.
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PROPERTIES	ISO METHOD	UNIT	VALUE	ASTM METHOD	UNIT	VALUE
Melt flow rate (190°C, 5 kg)	R1133	g/10min	0.4-0.6	D1238L	g/10min	0.4-0.6
Melt flow rate (230°C, 2.16 kg)	R1133	g/10min	<0.3	D1238L	g/10min	<0.3
Melt flow rate (230°C, 5 kg)	R1133	g/10min	0.8-1.3	D1238L	g/10min	0.8-1.3
Hardness Rockwell	R2039/2	R scale	93			
Linear coefficient of expansion				D696	mm/(m.°C)	0.11
Thermal conductivity (23°C)	R3146	W/(m.K)	0.17			
Specific gravity	R1183	-	0.89	D792	-	0.89
Flexural modulus	R178	MPa	835	D790	MPa	950
Tensile strength at yield	R527	MPa	28	D638	MPa	28
Elongation at break	R527	%	>430	D638	%	>430
Notched IZOD impact strength at 23°C	R180/1A	kJ/m ²	NB	D256	J/m	NB
Notched IZOD impact strength at 0°C	R180/1A	kJ/m ²	9.1	D256	J/m	160
Notched IZOD impact strength at -20°C	R180/1A	kJ/m ²	4.9	D256	J/m	50
Unnotched IZOD imp. Strength at 23°C	R180/1A	kJ/m ²	NB	D256	J/m	NB
Unnotched IZOD imp. Strength at 0°C	R180/1A	kJ/m ²	NB	D256	J/m	NB
Vicat softening point (9.8 N)	R306	°C	135	D1525	°C	135
H.D.T. (0.46 Mpa)	R75	°C	80	D648	°C	80
Accelerated oven ageing at 135 °C	R4577	hours	>9000	D3012	hours	>9000



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