

Technical Datasheet

MR230C

1) Product Description:

"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.

2) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (190 °C, 5kg)	D1238 L	dg/min	0.4-0.6
Melt Flow Rate (230 °C, 2.16kg)	D1238 L	dg/min	<0.3
Melt Flow Rate (230 °C, 2.16kg)	D1238 L	dg/min	0.8-1.3
Linear coefficient of expansion Thermal conductivity (23°C)	D 696	mm/(m.°C)	0.11
Specific gravity	D792	-	0.89
Flexural Modulus	D790	MPa	950
Tensile Strength Yield	D638	MPa	28
Elongation at Yield	D 256	%	>430
Notched IZOD Impact Strength at 23 °C	ASTM D256	J/m	NB
Notched IZOD Impact Strength at 0°C	ASTM D256	J/m	160
Notched IZOD Impact Strength at -23 °C	ASTM D256	J/m	50
Vicat softening point (9.8 N)	D 1525	°C	135
H.D.T. (0.46 Mpa)	D 648	°C	82
Accelerated oven ageing in air at 135 °C	D 3012	hours	>9000

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