

# AKSAD GROUP PETROCHEM

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