



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

## Polypropylene

### ARP230 (Injection Moulding)

بازرگانی کوثر

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Typical Properties	Test Method	Unit	Value
MFR @ ( 230°C, 2.16 kg)	D1238/L	Gr/10min	0.2
@ ( 230°C , 5 kg)	D1238/L	Gr/10min	0.9
Flexural modulus	D790	MPa	1300
Izod Impact @ 23°C	D256	J/m	No break
@ 0°C	D256	J/m	No break
Tensile Strength @ Yield	D638	MPa	24
Elongation @ Yield	D638	%	10
HDT (0.46 N/mm <sup>2</sup> )	D648	°C	75
Rockwell Hardness	D785	R.Scale	65

➤ Values shown are averages & are not to be considered as product specifications.

#### ❖ Main application & Characteristics:

ARP230 is a natural polypropylene random copolymer specially designed for pipes and fittings. The product has a high heat- and extremely high extraction stability.

The main applications of ARP230 are sanitary pipes for cold & hot water, industrial and chemical pipes. Other applications are pipe fittings and profiles.

#### ❖ Processing Recommendation:

The conditions depend on the equipment type, size and wall thickness of the pipe or profile, but generally the melt temperature of 200-230°C is preferred and injection molding temperatures can be in the range of 200-280°C.

ARP230 is suitable for food contact.