

ZR230C

ZR230C is a high molecular weight Random Polypropylene copolymer for compression moulding and extrusion.

Product Description

ZR230C exhibits excellent heat resistance, and is designed to produce items with superior toughness, even at low temperature.

Because of its excellent impact strength- down to 0C°, and its improved creep rupture properties under internal pressure stress, ZR230C is well suited for production of pressure pipes for industry, heating pipes and under floor hot water heating, domestic service pipes (hot and cold water) and weldable fittings.

Application

Extrusion application of ZR230C include profiles, pipes and tough sheet for industrial applications. This grade is especially suitable for applications requiring high resistance to temperature, and aggressive media.

Properties	Value	Unit	Method	Tolerance
Melt flow rate(230 C°, 2.16 kg)	0.35	gr/10 min	ASTM D 1238	(+/-) 0.5
Melt flow rate(230C°, 5.0 Kg)	1.7	gr/10 min	ASTM D 1238	(+/-) 0.2
Vicat softening point(9.8 N)	135	C°	ASTM D 1525	(+/-) 5
H.D.T.(0.46 MPa)	75	C°	ASTM D 648	(+/-) 8
Flexural modulus	1000	MPa	ASTM D 790	(+/-) 120
Tensile strength@ Yield	28	MPa	ASTM D 638	(+/-) 4
Elongation@Yield	15	%	ASTM D 638	-2
Izod impact strength(notched)@23 C°	No Break	J/m	ASTM D 256	-
Izod impact strength(notched)@ -20 C°	50	J/m	ASTM D 256	(+/-)
Rockwell hardness (R-B scale)	75	R-B	ASTM D 758	+10

*Value shown are average and are not to be considered as exact product specifications.

* All specimens are prepared by injection molding.