



**NAVID ZAR CHIMI Ind. Co.**  
Polypropylene Manufacturer



## Parslen ZR230C

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

### ② Product Description:

- Parslen 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 0°C, and its improved creep rupture properties under internal pressure stress, Parslen 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.



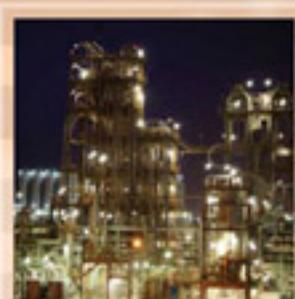
### ② Application :

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

Typical Properties [a,b]	Method	Unit	Value(a)	Tolerance
Melt flow rate(230 ° C, 2.16 Kg)	ASTM D 1238	gr/10 min	0.35	± 0.5
Melt flow rate (230 ° C, 5.0 Kg)	ASTM D 1238	gr/10 min	1.7	± 0.2
Vicat softening point ( 9.8 N)	ASTM D 1525	° C	135	± 5
H.D.T. (0.46 Mpa)	ASTM D 648	° C	75	± 8
Flexural modulus	ASTM D 790	MPa	1000	± 120
Tensile strength at yield	ASTM D 638	MPa	28	± 4
Elongation at yield	ASTM D 638	%	15	- 2
Izod impact strength( notched ) at 23° C	ASTM D 256	J/m	No Break	-
Izod impact strength( notched ) at -20° C	ASTM D 256	J/m	50	± 5
Rockwell hardness [R – B Scale]	ASTM D 785	R – B	75	+ 10

a) Values shown are averages and are not to be considered as exact product specifications.  
b) All specimens are prepared by injection molding.

(Last revised 10, Aug. 2011)



Parslen ZR230C is suitable for food contact.

- Sanitary applications
- Transparent food containers

TYPICAL PROPERTIES		VALUE	UNIT	METHOD
<b>Physical</b>				
Melt Flow Rate (230 °C, 2.16kg)	0.3	gr/10min		ASTM D1238
Density	0.90	gr/cm <sup>3</sup>		ASTM D1505
<b>Mechanical</b>				
Flexural Modulus	1000	MPa		ASTM D790
Tensile Strength at Yield	30±2	MPa		ASTM D638
Elongation at Yield	15	%		ASTM D638
Izod Impact Strength (notched) at 23 °C	230	J/m		ASTM D256
<b>Thermal</b>				
Vicat softening point (10N)	135	° C		ASTM D1525
H.D.T. (0.46 Mpa)	75	° C		ASTM D648