

Parslen ZR230C

Description

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

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

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 the production of pressure pipes for industry, heating pipes, and under-floor hot water heating, domestic service pipes (hot and cold water), and weldable fittings.

Applications

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

TYPICAL PROPERTIES	METHOD	UNIT	VALUE	TOLERANCE
Melt Flow Rate (230°C, 2.16 Kg)	ASTM D1238	g/10 min	0.35	± 0.5
Melt Flow Rate (230°C, 5.0 Kg)	ASTM D1238	g/10 min	1.7	± 0.2
Vicat Softening Point (9.8 N)	ASTM D1525	°C	135	± 5
Heat Deflection Temperature (0.46 MPa)	ASTM D648	°C	75	± 8
Flexural Modulus	ASTM D790	MPa	1000	± 120
Tensile Strength at Yield	ASTM D638	MPa	28	± 4
Elongation at Yield	ASTM D638	%	15	- 2
Izod Impact Strength (notched) at 23°C	ASTM D256	J/m	No Break	-
Izod Impact Strength (notched) at -20°C	ASTM D256	J/m	50	± 5
Rockwell Hardness (R-B Scale)	ASTM D785	R-B Scale	75	± 10

Values shown are averages and are not be considered as exact product specifications.

All specimens are prepared by injection molding.

Parslen ZR230C is suitable for food contact.