

It is a random polypropylene copolymer with high impact strengths even in low temperatures. Main applications of PNR230 products: cold and hot water pipes of buildings and their joints. As regards application, random polypropylene copolymer has impact strengths higher than those of polypropylene homopolymer and it has lower amounts of block copolymer as compared with polypropylene. Random polypropylene copolymer enjoys relatively good transparency, which transparency increases by adding nucleus removing material.

**Application:**

- Sanitary applications
- Transparent food containers

**Technical specifications of the product are as follows**

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 oC, 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 oC	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