



Koylene

Polypropylene

SR20NS

Technical Data Sheet

POLYPROPYLENE RANDOM COPOLYMER FOR BLOW MOULDING & EXTRUSION

Koylene SR20NS is Polypropylene Random copolymer suitable for **Blow Moulding and Extrusion** process. The grade combines high clarity and gloss.

Koylene is the brand name of Polypropylene resin manufactured and marketed by IPCL adopting the process know-how of M/S Basell.

FOOD CONTACT APPLICATIONS: This grade meets with the requirements of Indian Standard IS: 10910 on "Specifications for Polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water". Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS 10909. The grade and the additives also comply with FDA:CFR:Title 21,177.1520, olefin polymers.

The grade complies with the systemic and intracutaneous tests with four different extractants as per USP XXIX and I.P 96. The grade also complies with undue toxicity test as per E.P and skin irritation test as per I.S

TYPICAL CHARACTERISTICS:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Melt Flow Index (230°C / 2.16 Kg)	ASTM D 1238	gm/10 min.	1.9
Density at 23°C	ASTM D 1505	gm/cm ³	0.900
Tensile Strength at Yield #	ASTM D 638	MPa	26
Elongation at Yield #	ASTM D 638	%	12
Flexural Modulus	ASTM D 790	MPa	800
Notched Izod Impact Strength	ASTM D 256	J/m	65
Vicat Softening Point	ASTM D 1525	°C	130

The properties are based on Injection-moulded specimens (type I of ASTM D 638) of 3.2 mm thickness

PROCESSING:

The following processing parameters are recommended for Koylene SR20NS

Cylinder Temperature	°C	160-210
Die Temperature	°C	190-210

PACKAGING:

Koylene grade SR20NS is available in natural colour, pellets form in 25 Kg bags.