



J1020FS20 J1020FA20

LOW DENSITY POLYETHYLENE GENERAL PURPOSE / ADHESIVE LAMINATION FILM GRADE

These are film grades and can be processed easily on conventional blown film lines. J1020FS20 has been blended with necessary additives during manufacture to obtain good surface slip and easy open-ability. J1020FA20 is manufactured without any additive to facilitate adhesion during lamination.

Additive Details:

J1020FS20: ● Slip: Yes ● Antiblock: Yes
J1020FA20: ● Slip: No ● Antiblock: No

TYPICAL CHARACTERISTICS*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Density (23°C)	ASTM D 792	g/cc	0.921
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min	2.0
Tensile Modulus (MD/TD)	ASTM D 882	MPa	180/190
Tensile Strength at Break (MD / TD)	ASTM D 882		20.0 / 19.0
Elongation at Break (MD / TD)	ASTM D 882	%	275 / 425
Dart Impact Strength (F50)	ASTM D 1709/A	g / μm	2.0
Haze	ASTM D1003	%	7
Gloss @ 60°	ASTM D 2457	-	95

* Typical characteristics and not to be taken as specifications

** Typical value with 40 μ film made with 0.8 mm die gap & 2.5 BUR

APPLICATIONS:

Slip grade for Mono & Co-extruded film / Cast film, liner film and non-slip grade for adhesive lamination, hygiene & air bubble film.

Typical Process Conditions:

- Melt Temperature (°C) - 160 – 200
- Recommended Blow Up Ratio (BUR): 1.5 – 3.0 (Based on applications, best results achieved with BUR of 2.5 : 1)
- Die Gap – > 0.8 mm (Based on film thickness and throughput of the machine)

Regulatory Information

- Meets the requirements stipulated in standard IS: 10146 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to IS 16738:2018 "Positive List of Constituents for Polypropylene, Polyethylene and their Copolymers for its Safe Use in Contact with Foodstuffs and Pharmaceuticals"
- The grade and the additives incorporated in it also comply with the FDA: CFR Title 21,177.1520, Olefin polymers.

Storage Recommendations

- Bags should be stored in dry/closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

DISCLAIMER

The information contained herein may include typical properties and processing parameters of the grade or its typical performances when used in respective applications. The values given above are based on analysis of representative samples and not the actual product supplied. It is the customer's responsibility to inspect and test our grades in order to satisfy itself as to the suitability of the products for customers' particular application. The customer is solely responsible for all determinations regarding any use of material or product and any process in its area of interest. RIL assumes no obligation or liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of using any of the information or product given in this document. The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorized agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.