J24FS040
J24FA040

LOW DENSITY POLYETHYLENE
GENERAL PURPOSE FILM GRADE

These are blown film grades and can be extruded with considerable ease. J24FS040 has been blended with necessary additives during manufacture to obtain good surface slip and easy open-ability between two layers of the film.

Additive Details:

J24FS040: ● Slip: Yes ● Antiblock: Yes

J24FA040: ● Slip: No ● Antiblock: No

TYPICAL CHARACTERISTICS*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE**
Density (23˚C)	ASTM D 792	g/cc	0.923
Melt Flow Index (190˚C / 2.16 Kg)	ASTM D 1238	g/10 min	4.0
Tensile Strength at Break (MD/TD)	ASTM D 882	MPa	18/16
Elongation at Break (MD/TD)	ASTM D 882	%	250/400
Dart Impact Strength (F50)	ASTM D 1709/A	g/µ	2.0
Haze	ASTM D 1003	%	7
Gloss (60˚)	ASTM D 2457	-	>100

* Typical characteristics and not to be taken as specifications
** Typical properties measured on 40 µm film made with 0.8 mm die gap & 2.5 BUR.

APPLICATIONS:

High slip grade for shopping bag, zip lock bags, general purpose consumer packaging. Non-slip grade can be used for bubble wrap and lamination film.

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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: I0146 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