SK geo centric

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YUCLAIR FN812

YUCLAIR FN812 is octene-1 copolymer designed for use in dry lamination film application. YUCLAIR FN812 provides stronger film than ones made from competitive LLDPE film grades. Therefore YUCLAIR FN812 shows superior tensile strength, tear strength, gel-free, antiblock and sealibility. YUCLAIR FN812 contains optimum of additives and is thus ideally suitable as a LLDPE resin for lamination film. YUCLAIR FN812 can be processed readily into blown film using standard extrusion techniques. YUCLAIR FN812 complies with FDA regulations in 21 CFR177.1520 for all food contact.

Application / Use Case

Film / Advanced packaging, industrial film

Specification

	Specification	Unit	Test Method
Density	0.919	g/cm³	ASTM D1505
Melt Index	0.9	g/10min	ASTM D1238
Additives	S, A/B		SK Method

Physical Properties

	Norminal Value (English)	Norminal Value (SI)	Test Method
Film Thickness	50 μm	50 μm	ASTM D746
Softening Point(Vicat)	215.6°F	102°C	ASTM D1525
Tensile Strength at Yield(MD)	1710 psi	12 MPa	ASTM D882
Tensile Strength at Yield(TD)	1560 psi	11 MPa	ASTM D882
Tensile Strength at Break(MD)	7820 psi	54 MPa	ASTM D882
Tensile Strength at Break(TD)	7110 psi	49 MPa	ASTM D882
Elongation at Break(MD)	700%	700%	ASTM D882
Elongation at Break(TD)	800%	800%	ASTM D882

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ISO 9001 Certified

Elmendorf Tear Strength(MD)	15 g/μm	15 g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	20 g/μm	20 g/μm	ASTM D1922
Haze	11%	11%	ASTM D1003
Brittleness Temperature	<-112°F	<-80°C	ASTM D746

Notes :

Film Extrusion Condition : Screw diameter 55mm, Die diameter 180 mm, BUR 2.1

Temp : Screw 170-190-190 Die 190°C

Die gap 1.8 mm, Screw RPM 45, L/S 7.2

These are ***typical properties*** only, and are ***not to be construed as specifications***. The physical properties are highly dependent on the manufacturing conditions. So customers should performances by their own tests.

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