

PETROBON

RAW MATERIAL SUPPLIER

POLYPROPYLENE HOMOPOLYMER | C30S



Producer:

Marun Petrochemical Company

Applications:

C30S is a polypropylene homopolymer with a good flow properties and is particularly suitable for the extrusion of film yam, monofilament, cast film and sheet. C30S combines outstanding process ability with good mechanical properties. C30S is particularly suitable to produce film yam with the cast film process. Film yam of C30S is used for baler twines, packaging twines and ropes. C30S is well suited for the production of monofilament used for instance in brush and broom filling and technical applications. Other applications of C30S are monolayer or coextruded film for packaging, thin sheet for stationery folders and sheet for thermoforming. C30S is also used for the extrusion of straws.

Contact Info

+98 2188629212
+98 9123507189
info@petrobon.com



www.petrobon.com

Marun C30S Datasheet

No.	Property	Value	Units	Test Method
Physical Properties				
1	MFI (at 2.16kg load, 230°C)	6	g/10min	ISO 1133
2	Density	0.9	g/cm ³	ISO 1183
Mechanical Properties				
3	Flexural Modulus	1500	MPa	ISO 178
4	Hardness Shore D	71	-	ISO 868
5	Izod Impact, Notched	4	kJ/m ²	ISO 180
6	Tensile Elongation at Yield	13	%	ISO 527
7	Tensile Strength at Yield	34	MPa	ISO 527
Thermal Properties				
8	Heat Deflection Temperature	112	°C	ISO 75
9	Oven Aging	360	h	ISO 4577
10	Vicat Softening Point	155	°C	ISO 306

C30S is suitable for food contact

- Values shown are averages and are not to be considered as product specification these values may shift slightly as additional data are accumulated.
- ISO test methods are the latest under the societies current procedures.

All specimens are prepared by injection molding.

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