

CALPRENE H6180S

Our new SEBS for medical tubing applications

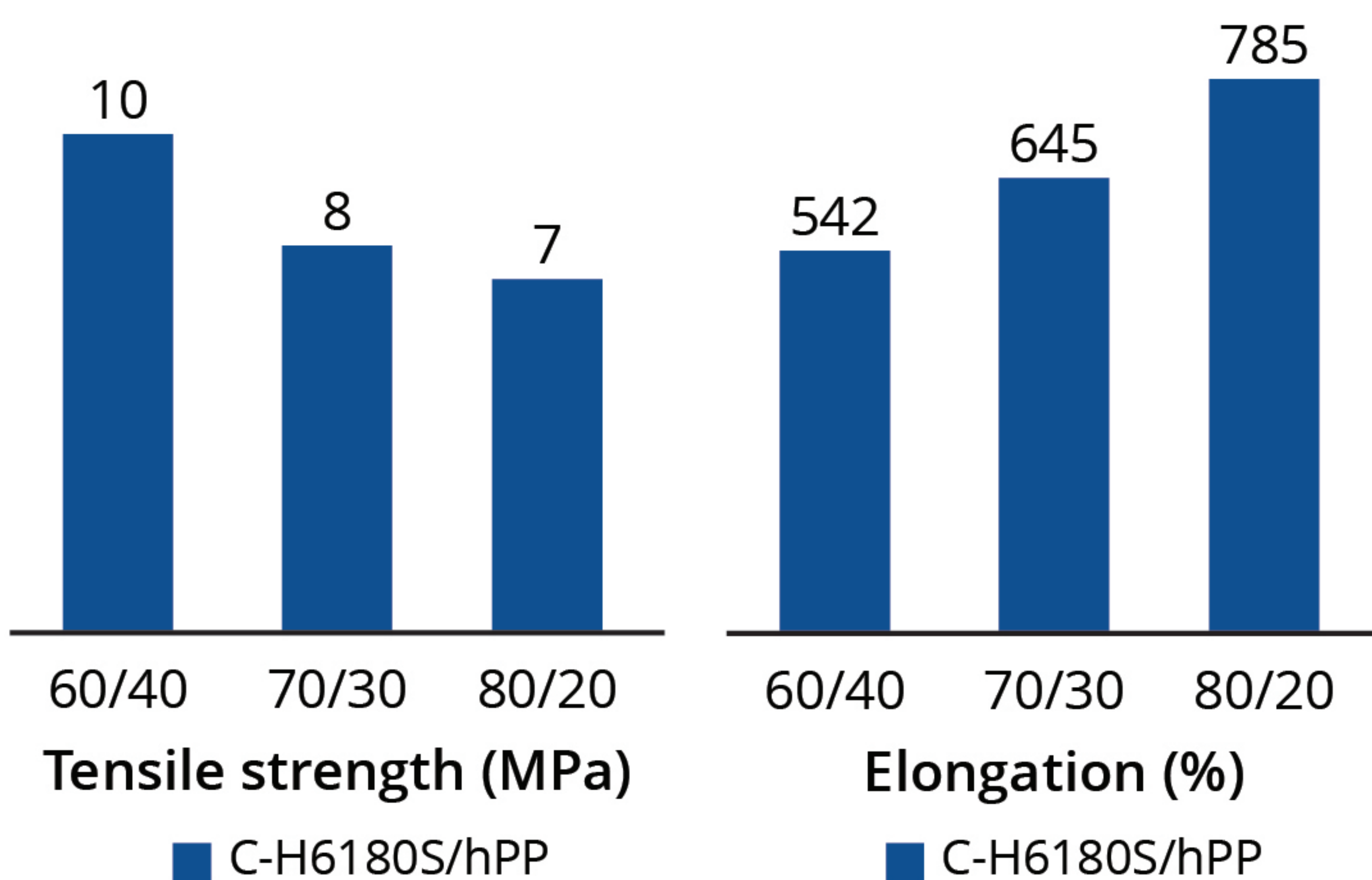


New TPE markets demand materials with excellent transparency, low hardness, high elasticity, excellent flow, no migration and bio-compatibility. Calprene H6180S covers these requirements and substitutes other materials such as PVC, silicones, olefinic elastomers, etc.

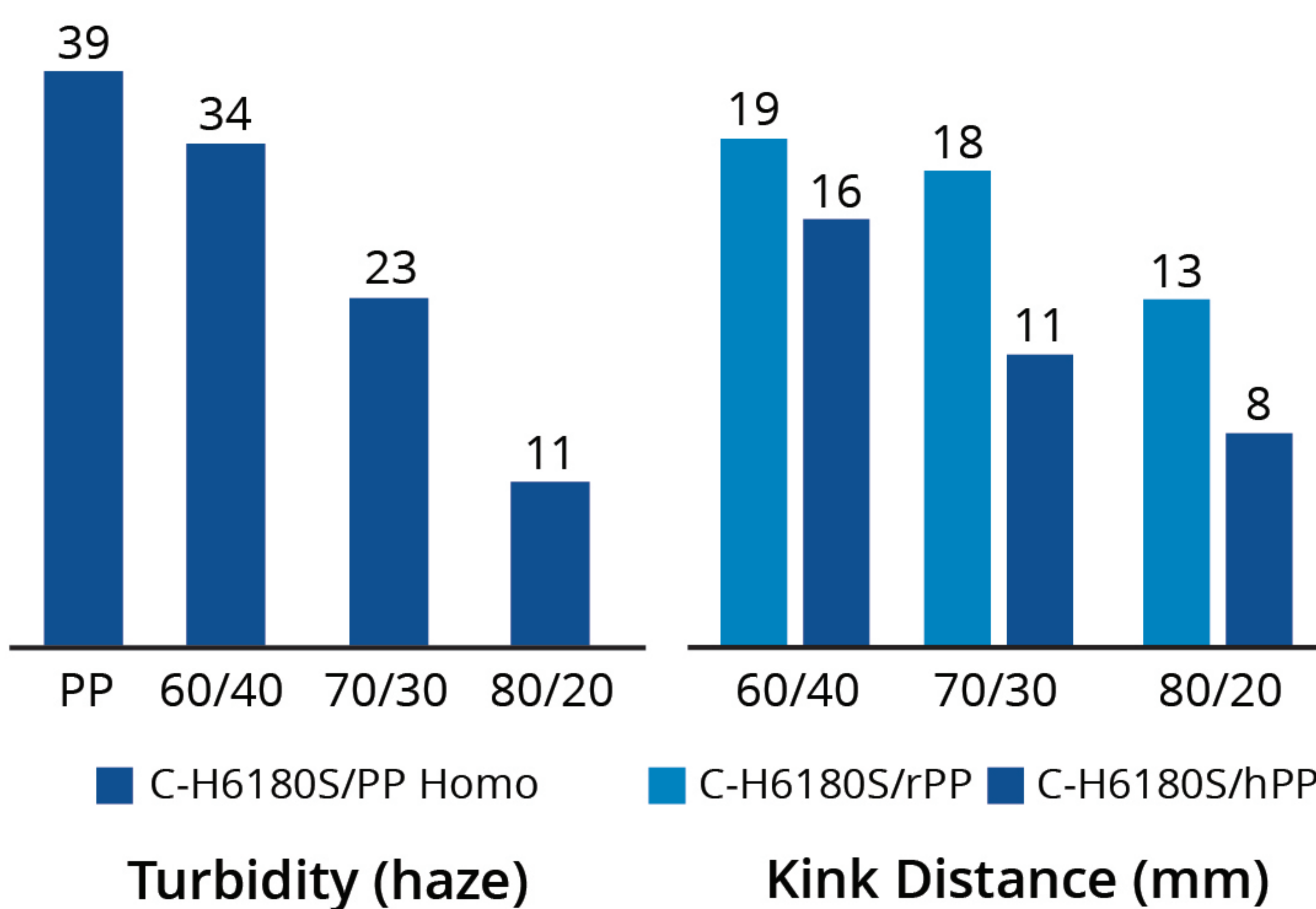
Calprene H6180S shows high flowability and good compatibility with polyolefins achieving excellent elastic properties and low hardness. This product is available in porous pellet form dusted with silica or with a micronized polyethylene wax.



Mechanical properties of tubes made with different ratios of SEBS/PP.



Optical properties of tubes made with different ratios of SEBS/PP.



Calprene H6180S Properties

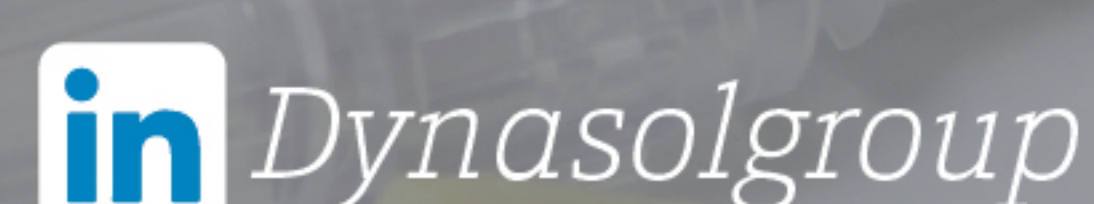
Polymer Structure	Linear
Styrene content, %	15
Vinyl content, %	62
Melt flow rate (230°C/2,16kg) g/10min	10
Hardness, Shore A	50

Calprene H6180S Summary

Flexibility without addition of phthalate plasticizers	Alternative to other materials in the market
Good optical properties	Low processing temperature
USP class VI and food contact approved.	Good kink resistance
Good elasticity	Soft touch



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dynasolgroup.com
marketing.dynasol@dynasol.com

Dynasol Group Houston

14340 Torrey Chase Blvd Suite #365
Houston, TX 77014
Phone: (281)-874-0888
Toll Free: 1 877-559-7568
Fax: (281) 885-1742

Dynasol Group Madrid

Titán 15, 9th Floor
28046 Madrid, Spain
Phone: (34) 900 103 239
Fax: (34) 913 238 352