

PRODUCT INFORMATION

TRAPYLEN® 145 S

Product no. 204610



Chemical composition	Modified chlorinated polypropylene		
Appearance	Yellowish orange granules		
Typical data	Chlorine content of polymer	[%]	15,5
	Viscosity (dyn.) 10 % in xylene	[mPas]	60
	Softening point	[°C]	105
	CAS-number of polymer		68609-36-9
Properties and use	<p>TRAPYLEN® 145 S is a chemically modified low chlorinated polypropylene with outstanding affinity to polyolefinic plastics such as PP, PP/EPDM-blends and, with limitations to adhesion strength, to PE.</p> <p>Among our CPO-products this grade has the lowest chlorine content and highest molecular weight of around 110 000. Therefore the solubility in xylene is limited and resin solutions should not exceed a solids content of 5%.</p> <p>TRAPYLEN® 145 S is used either as a straight primer or as an adhesion promoter for base coats and pigmented primers. Its principal use is in paintings/coatings for moulded parts and sealing profiles in the automotive industry, such as bumpers, side panels and door seals. TRAPYLEN® can also be used in adhesives and flocking agents for door seals. Furthermore it is used in industrial applications where PP based plastics are chemically pretreated.</p>		
Solubility and dissolving process	<p>Only soluble in aromatics.</p> <p>Dissolving process: Place 1 part of TRAPYLEN® 145 S and 2 parts of solvent (toluene, xylene) into a dissolver and stir the resin to dissolve it by friction. The temperature of the system should be raised to 60 °C and held there for at least 3 hours. After finishing the dissolving process adjust the solids content to e.g. 5 % and filter the solution.</p>		
Application	<p>Using TRAPYLEN® 145 S as a primer dissolve the resin in xylene to 5 % solids. This primer can be applied by spraying, dipping, brushing or printing.</p> <p>Drying conditions: 30 s at 80 °C, residual quantity of resin about 3...4 g/m².</p> <p>When using TRAPYLEN® 145 S as adhesion promoter in base coats/pigmented primers, the compatibility of the system must be checked. The resulting base coat can be applied by spraying, dipping, brushing or printing if the system allows it.</p> <p>Drying conditions: Usually 30 min at 80 °C, residual quantity about 15 g/m².</p>		
Storage stability	At least 12 months in closed packing at 15 °C.		
Packing	Carton boxes with PE-inliner of 15 kg.		
Notes	<p>Keep away from moisture and direct sunlight.</p> <p>Also available in dissolved versions.</p>		

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TRAPYLEN® ist ein eingetragenes Warenzeichen.

Our product information bases on tests to be reliable, however the recommendations are presented without guarantee.

The data mentioned above are approximate figures, a product specification is available on request.

TRAMACO GmbH · Siemensstrasse 1-5 · 25421 PINNEBERG/GERMANY

Phone: +49 4101 706-02 · Fax: +49 4101 706-200 · Internet: www.tramaco.de · E-mail: info@tramaco.de

