

CHR[®] 2455

Matte ETFE-Silicone Pressure Sensitive Adhesive Tape

CHR 2455 Blue is manufactured by **Saint-Gobain[®]**

Performance Plastics Corporation, Tape Solutions business, and comes with a matte ETFE backing coated with silicone adhesive that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

CHR 2455 tape is intended to be a tool (mold) release tape in composite molding applications. The matte surface will impart a unique matte finish to parts when it is applied directly into the mold. The matte surface finish would help in reducing the time of post-process sanding and finishing. **CHR 2455** intends to provide excellent adhesion to metals, composites, and other tooling. Its elongation ability allows for easy application to complex tooling shapes.

Availability

Factory stock for **CHR 2455** is in master rolls 33 m × 711 mm (36 yd × 28 in). Rolls can be slit in widths ranging from 6.35 mm to 711 mm (0.25 in to 28 in). **CHR 2455** is available with or without a release liner.

Applications

CHEMFILM[®] ETFE film offers a low surface energy, making it an excellent choice for release applications up to 230°C (446°F) process temperature. Excellent conformability and release properties of the ETFE backing make **CHR 2455** ideal for applications such as composite lay-up, roller wrapping, plate masking, and heat sealing.



CHR 2455 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	2455
Backing Material	Film-ETFE matte
Adhesive Type	Silicone
Total Thickness mm (in)	0.100 (0.004)
Backing Thickness mm (in)	0.050 (0.002)
Adhesive Thickness mm (in)	0.050 (0.002)
Adhesion to Steel N/cm (oz/in)	2.2 (20)
Tensile Strength N/cm (lb/in)	26 (15)
Elongation (% at break)	350
Operating Temperature °C (°F)	-40 to +230 (-40 to +446)
Surface Roughness (RA) μm	2.5 +/-0.5
Surface Roughness (RZ) μm	<15
Color	Blue

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