

Agru Tri-Lock

High-Density Polyethylene (HDPE) extruded anchoring systems, Agru CEP provides an embedded attachment for HDPE liners. Agru CEP embeds in any face of new cast-in-place or precast concrete construction and can be fabricated to maneuver around shapes and corners.

Agru CEP accepts welds with any thickness of HDPE liner. Extruded from black HDPE, Agru CEP delivers exceptional stress cracking resistance and impact performance. If the liner experiences unexpectedly high tensile loads, the liner will yield before Agru CEP yields or pulls out of the concrete.

Proper anchoring systems installation techniques must be observed to ensure a secure embedment of the Agru CEP and a sound weld to the HDPE liner. Agru CEP must be cut and butt-welded together to fit corners and shapes. The cutting and welding, if performed correctly, will provide continued support for the HDPE liner and a secure seal. Agru America supplies prefabricated corners and tee connections.

Material Specifications

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Method
Density	≥0.940 g/cm ³	≥0.940 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	≤1.0 g/10 min	≤1.0 g/10 min	ASTM D1238
Carbon Content (%)	≥2	≥2	ASTM D4218
Carbon Dispersion (Category)	1 or 2	1 or 2	ASTM D5596
Moulded Properties	Typical Value (English)	Typical Value (SI)	Test Method
Thickness	160 mil	4 mm	ASTM D5199
Tensile Strength at Yield	88 ppi	15 MPa	ASTM D6693
Tensile Strength at Break	154 ppi	27 MPa	
Elongation at Yield (%) 0.5 "	12	12	
Elongation at Break (%)	700	700	

Benefits of Agru Tri-Lock

- Provides embedded attachment for HDPE liners
- Accepts welds with any thickness of liner
- Offers exceptional stress cracking resistance and impact performance

