



Product Description - Ancora™ C-1082

Ancora™ C-1082 is a black, 82 Shore A TPE. Designed to meet sustainability goals without compromising performance, this grade contains 50% post-consumer recycle content derived from end-of-life tires. Ancora C-1082 is compatible in a broad range of TPE applications utilizing typical processing methods including injection molding. Compared to conventional synthetic rubber-based materials, the Ancora base polymer has an 86% lower GHG footprint and meets all IJJA Buy America Act requirements for domestic production.

Typical physical and mechanical properties:

Physical Properties	English	SI (Metric)	Test Method
Specific Gravity	1.00	1.00	ASTM D792
Melt Mass-Flow Rate (230 C/2.16 kg)	14 g/10 min	14 g/10 min	ASTM D1238
Spiral Mold Flow (345 F/174 C)	16.2"	41.1 cm	ASTM D4101

Mechanical Properties	English	SI (Metric)	Test Method
Tensile Strength	508 psi	3.5 MPa	ASTM D412C
Tensile Elongation	75%	75%	ASTM D412C
Tear Strength	217 pli	38 N/mm	ASTM D624
Hardness, Shore A (10 sec delay)	82	82	ASTM D2240

Property Features

Black pelletized compound developed for a broad range of applications such as automotive mats, gasketing, and similar applications. Finished parts have look and feel of virgin TPEs. Processing conditions are comparable to typical TPEs.

General Injection Molding Processing Parameters

Processing Temperature across all zones	345F to 365F
Back Pressure	approximately 145 psi
Drying typically not required	

Packaging

Available in 1,400 lb. net weight gaylord boxes

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