

Technical Data Sheet
Alcryn® 2095 BK
Melt Processable Rubber
Engineering Plastics



General			
Additive	• UV Stabilizer		
Features	• High Flow • High Heat Resistance • Noise Damping • Oil Resistant • Ozone Resistant • UV Resistant • Vibration Damping • Weather Resistant		
Uses	• Cable Jacketing • Engineering Parts • Fabrics • Gaskets • Handles • Hose • Seals • Sheet • Tubing • Weatherstripping • Wire Jacketing		
Agency Ratings	• EU 2002/96/EC (WEEE)		
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Blow Molding • Compression Molding • Extrusion • Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity			
--	1.17	1.17 g/cm³	ASTM D792
--	1.17 g/cm³	1.17 g/cm³	ISO 1183
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus			ASTM D638
0.0750 in (1.91 mm), Compression Molded	1230 psi	8.48 MPa	ISO 527-2
Tensile Strength			ASTM D638
Yield, 0.0750 in (1.91 mm), Compression Molded	1900 psi	13.1 MPa	ISO 527-2
Tensile Elongation			ASTM D638
Break, 0.0750 in (1.91 mm), Compression Molded	300 %	300 %	ISO 527-2
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Set	24 %	24 %	ASTM D412
Tear Strength ¹ (75°F (24°C))	355 lbf/in	62.2 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 0.0750 in (1.91 mm), Compression Molded	93	93	
IRHD Hardness	93	93	ISO 48
Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Volume			ASTM D471
75°F (24°C), 168 hr, in Reference Fuel B	43 %	43 %	
212°F (100°C), 168 hr, in ASTM #1 Oil	-10 %	-10 %	
212°F (100°C), 168 hr, in ASTM #3 Oil	31 %	31 %	

Additional Information

The value listed as Density-Specific Gravity, ASTM D792, was tested in accordance with ASTM D471.

Fluid Resistance 7 Days in ASTM Oil no. 1, ISO 1817, at 212 °F: -1%

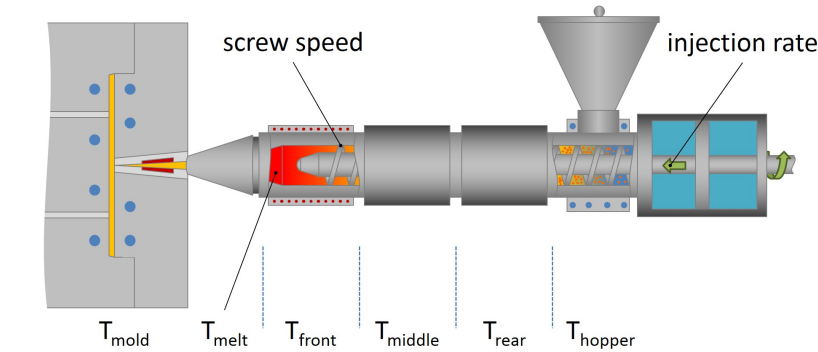
Fluid Resistance 7 Days in IRM 903 Oil no. 3, ISO 1817, at 212 °F: 31%

Fluid Resistance 7 Days in ASTM Ref. Fuel no. B, ISO 1817, at 75 °F: 43%

Rheological Viscosity, ASTM D3835, 1/300s at 374°F: 820Pa-s



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Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	350 °F	177 °C

Notes
¹ Die C

Notes
These are typical property values not to be construed as specification limits.

