

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



General			
Additive	<ul style="list-style-type: none"> • UV Stabilizer 		
Features	<ul style="list-style-type: none"> • High Flow • High Heat Resistance • Noise Damping 	<ul style="list-style-type: none"> • Oil Resistant • Ozone Resistant • UV Resistant 	<ul style="list-style-type: none"> • Vibration Damping • Weather Resistant
Uses	<ul style="list-style-type: none"> • Cable Jacketing • Engineering Parts • Fabrics • Gaskets 	<ul style="list-style-type: none"> • Handles • Hose • Seals • Sheet 	<ul style="list-style-type: none"> • Tubing • Weatherstripping • Wire Jacketing
Agency Ratings	<ul style="list-style-type: none"> • EU 2002/96/EC (WEEE) 		
RoHS Compliance	<ul style="list-style-type: none"> • RoHS Compliant 		
Appearance	<ul style="list-style-type: none"> • Black 		
Forms	<ul style="list-style-type: none"> • Pellets 		
Processing Method	<ul style="list-style-type: none"> • Blow Molding • Compression Molding 	<ul style="list-style-type: none"> • Extrusion • Injection Molding 	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity			
--	1.17	1.17 g/cm ³	ASTM D792
--	1.17 g/cm ³	1.17 g/cm ³	ISO 1183

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus			
0.0750 in (1.91 mm), Compression Molded	1230 psi	8.48 MPa	ASTM D638 ISO 527-2
Tensile Strength			
Yield, 0.0750 in (1.91 mm), Compression Molded	1900 psi	13.1 MPa	ASTM D638 ISO 527-2
Tensile Elongation			
Break, 0.0750 in (1.91 mm), Compression Molded	300 %	300 %	ASTM D638 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			
Shore A, 0.0750 in (1.91 mm), Compression Molded	93	93	
IRHD Hardness	93	93	ISO 48

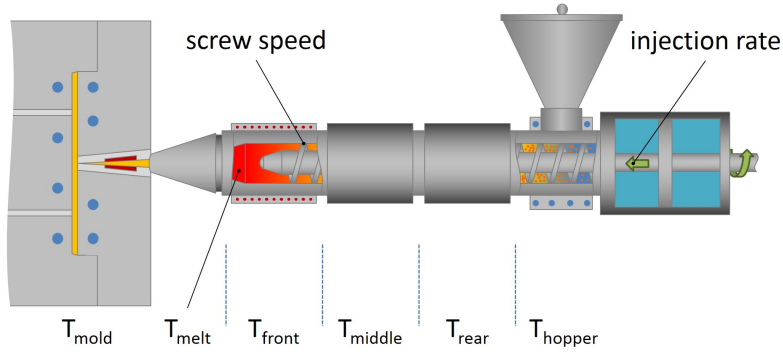
Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Volume			
75°F (24°C), 168 hr, in Reference Fuel B	43 %	43 %	ASTM D471
212°F (100°C), 168 hr, in ASTM #1 Oil	-10 %	-10 %	
212°F (100°C), 168 hr, in ASTM #3 Oil	31 %	31 %	

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

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



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.