

Technical Data Sheet
Alcryn® 2060 CL
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	• Translucent		
Forms	• Pellets		
Processing Method	• Blow Molding • Compression Molding	• Extrusion • Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity			
--	1.12	1.12 g/cm³	ASTM D792
--	1.12 g/cm³	1.12 g/cm³	ISO 1183

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus			
0.0750 in (1.91 mm), Compression Molded	435 psi	3.00 MPa	ASTM D638 ISO 527-2
Tensile Strength			
Yield, 0.0750 in (1.91 mm), Compression Molded	1050 psi	7.24 MPa	ASTM D638 ISO 527-2
Tensile Elongation			
Break, 0.0750 in (1.91 mm), Compression Molded	380 %	380 %	ASTM D638 ISO 527-2

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Set	12 %	12 %	ASTM D412
Tear Strength ¹ (75°F (24°C))	150 lbf/in	26.3 kN/m	ASTM D624
Compression Set			
75°F (24°C), 22 hr	27 %	27 %	ASTM D395B ISO 815
212°F (100°C), 22 hr	69 %	69 %	

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			
Shore A, 0.0750 in (1.91 mm), Compression Molded	60	60	ASTM D2240
IRHD Hardness	60	60	ISO 48

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Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Shore Hardness in Air 257°F (125°C), 168 hr	61	61	ISO 188
Change in Ultimate Elongation 257°F (125°C), 168 hr	380 %	380 %	ASTM D471
Change in Durometer Hardness 257°F (125°C), 168 hr	61	61	ASTM D471
Change in Volume 75°F (24°C), 168 hr, in Reference Fuel B	8.0 %	8.0 %	ASTM D471
212°F (100°C), 168 hr, in ASTM #1 Oil	-30 %	-30 %	
212°F (100°C), 168 hr, in ASTM #3 Oil	-6.0 %	-6.0 %	
212°F (100°C), 168 hr, in Water	9.0 %	9.0 %	

Additional Information

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

Aging Tensile Strength, ASTM D573, 7 days, 257°F: 1128psi

Aging 100% Modulus, ASTM D573, 7 days, 257 °F: 509psi

Aging Elongation At Break, ASTM D573 and ISO 188: 375%

Fluid Resistance 7 Days in water, ISO 1817, at 212 °F: 9%

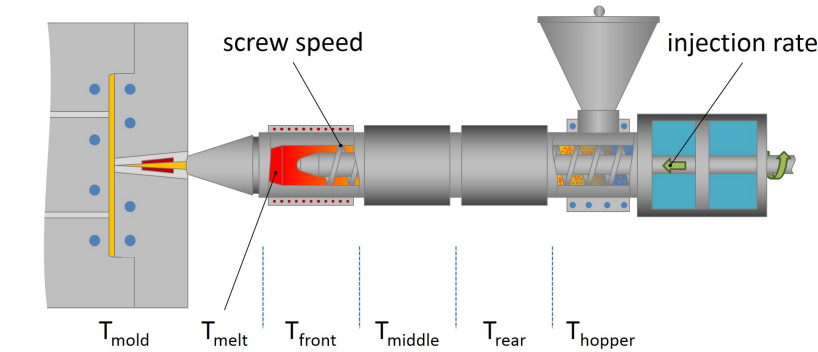
Fluid Resistance 7 Days in ASTM Oil no. 1, ISO 1817, at 212 °F: -30%

Fluid Resistance 7 Days in IRM 903 Oil no. 3, ISO 1817, at 212 °F: -6%

Fluid Resistance 7 Days in ASTM Ref. Fuel no. B, ISO 1817, at 75 °F: 8%

Rheological Viscosity, ASTM D3835, 1/300s at 374°F: 247Pa-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.