

Advanced Polymer Alloys Alcryn® 2060 CL Melt Processable Rubber

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processable Rubber

Material Notes:

Alcryn melt-processable rubber (MPR) is a true rubber, based on a partially cross-linked, chlorinated olefin interpolymer alloy. Alcryn is designed for the manufacture of rubber parts with high productivity on thermoplastic processing equipment. Applications: Window and door weatherstripping (and other complex profile extrusions) Soft handles and grips Molded seals and gaskets Injection-molded and co-injection molded parts Blow-molded parts Tubing and hose Wire and cable jackets Coated fabrics and sheet goods Information provided by Advanced Polymer Alloys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-Alcryn-2060-CL-Melt-Processable-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D471; ISO 2781
Viscosity	247000 cP	247000 cP	ASTM D3835
	@Shear Rate 300 1/s, Temperature 190 °C	@Shear Rate 300 1/s, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ASTM D2240; ISO 48
	61	61	After 7 days at 257°F (125°C); ASTM D573; ISO 188
Tensile Strength, Ultimate	7.24 MPa	1050 psi	ASTM D412; ISO 37
	7.777 MPa	1128 psi	After 7 days at 257°F (125°C); ASTM D573; ISO 188
Elongation at Break	375 %	375 %	ASTM D412; ISO 37
	375 %	375 %	After 7 days at 257°F (125°C); ASTM D573; ISO 188
100% Modulus	0.00300 GPa	0.435 ksi	ASTM D412; ISO 37
	0.00351 GPa	0.509 ksi	After 7 days at 257°F (125°C); ASTM D573; ISO 188
Graves Tear Strength	26.3 kN/m	150 pli	Die C; ASTM D624
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Compression Set	27 %	27 %	After 22 Hr at 75°F (24°C); ASTM D395; ISO 815
	69 %	69 %	22 hrs.; ASTM D395; ISO 815
	@Temperature 100 °C	@Temperature 212 °F	

Tensile Set	12 %	12 %	ASTM D412
Mechanical Properties	Metric	English	Comments

Processing Properties	Metric	English	Comments
Processing Temperature	177 °C	350 °F	

Descriptive Properties	Value	Comments
Fluid Resistance - Volume Change, % (ASTM D471)	-30	After 7 Days in ASTM Oil No.1 at 212°F (100°C)
	-6	After 7 Days in IRM 903 Oil No.3 at 212°F (100°C)
	8	After 7 Days in ASTM Ref. Fuel No. B at 75°F (24°C)
	9	After 7 Days in Water at 212°F (100°C)

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