

Advanced Polymer Alloys DURACRYN 8080 NC Thermoplastic Rubber

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO)

Material Notes:

Information provided by Advanced Polymer Alloys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-DURACRYN-8080-NC-Thermoplastic-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	Instantaneous; ASTM D2240
Tensile Strength, Ultimate	17.2 MPa	2500 psi	ASTM D412
Elongation at Break	450 %	450 %	ASTM D412
100% Modulus	0.00552 GPa	0.800 ksi	ASTM D412
Graves Tear Strength	52.6 kN/m	300 pli	Die C; ASTM D624; DIN 53507
Compression Set	63 %	63 %	After 22 Hr at 23°C; ASTM D395
	67 %	67 %	Method B, 22 hours; ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	
Tensile Set	9.0 %	9.0 %	ASTM D412

Thermal Properties	Metric	English	Comments
Clash Berg Stiffness Temperature	-18.0 °C	-0.400 °F	At 10,000 psi; ASTM D1043

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