

Advanced Polymer Alloys DuraGrip™ 6070 BK Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

DuraGrip® DGR 6070NC is designed to be a general purpose Thermoplastic Elastomer (TPE) that is easy to use in the injection molding process. DGR 6070NC has an excellent soft touch feel, will bond to olefinics, is easy to color, and is available in FDA compliant formulations. DuraGrip® is not hygroscopic and under normal conditions does not require drying. Information provided by Advanced Polymer Alloys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-DuraGrip-6070-BK-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.985 g/cc	0.985 g/cc	ASTM D471
Viscosity	130000 cP	130000 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	72	72	5 Sec; ASTM D2240
Tensile Strength at Break	8.34 MPa	1210 psi	ASTM D412
Elongation at Break	640 %	640 %	ASTM D412
100% Modulus	0.00262 GPa	0.380 ksi	ASTM D412
300% Modulus	0.00343 GPa	0.497 ksi	ASTM D412
Graves Tear Strength	28.6 kN/m	163 pli	Die C; ASTM D624
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 230 °C	356 - 446 °F	

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